Selected Vital Statistics and Health Status Indicators

ONE HUNDRED AND THIRTY-NINTH
ANNUAL REPORT 2010

British Columbia Vital Statistics Agency

BRITISH COLUMBIA

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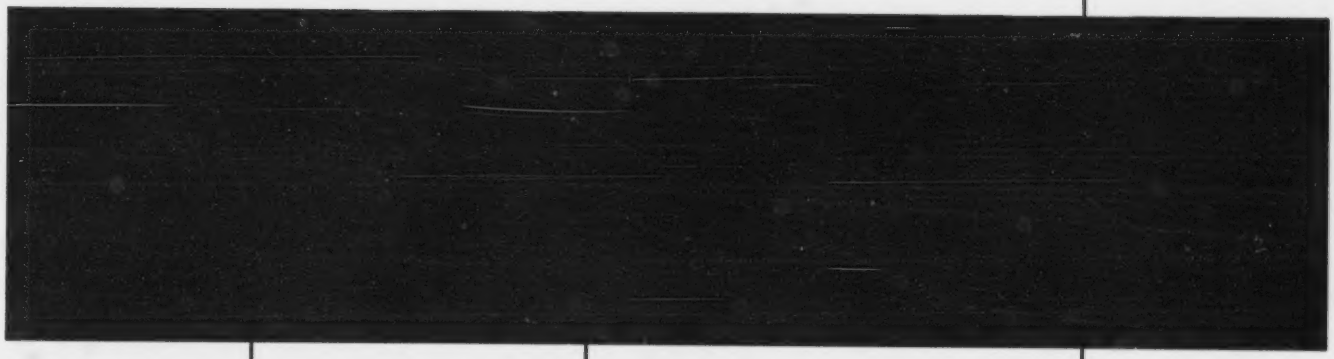

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British Columbia Vital Statistics Agency

Foreword

The British Columbia Vital Statistics Agency (the Agency) is pleased to present the 2010 Annual Report, the one hundred and thirty-ninth published since the establishment of the Division of Vital Statistics in 1872. The tables, figures, and maps in this publication are based on information collected from registrations of live births, stillbirths, deaths, and marriages, as registered by the Agency for events occurring in the 2010 calendar year.

This publication contains approximately 100 tables, figures, and maps that summarize selected information about the vital events taking place in British Columbia (BC). Although some tables and information relate to vital events occurring within the province which may include visitors to BC, such as marriages, the majority are specific to residents of BC.

The information relating only to residents is important for evaluating and monitoring the health status of the province's population.

Throughout the report, key indicators are presented for the province's Health Authorities (HA), Health Service Delivery Areas (HSDA) and Local Health Areas (LHA). The report includes a detailed Glossary, defining the terms used in the body of the publication; as well as a Methodology section, explaining the statistical computations in the main body. A set of Information Boxes supplement the standard tables with information on a wide range of subjects, from a profile of a Typical Day in British Columbia to Place of Birth for Midwife Assisted Births and Usual Residence of People Married in 2010.

Beginning with the 2000 Annual Report, the Agency has presented data using the tenth revision of the World Health Organization's International Statistical Classification of Diseases and Related Health Problems (ICD-10) coding scheme. Where possible, this report follows a format consistent with previous annual reports that presented statistics from the current year along with comparative statistics from the preceding five years. However, some tables and figures present statistics prior to 2000 when an earlier version of the coding scheme (ICD-9) was in effect. Many changes in the codes and in the rules for selection of the underlying cause of death preclude direct comparison of ICD-9 and ICD-10 data. Extensive manual reviews using translation tables in conjunction with recoding of data from ICD-9 to ICD-10 enabled the production of trend data. This approach is unique to publications of the Agency.

The Agency would like to acknowledge the many groups and individuals who ensure complete and accurate recording of vital events. Their contributions have resulted in continual improvement in the quality of vital event data and the quality of this report.

Original signed by,

Jack Shewchuk
Chief Executive Officer
British Columbia Vital Statistics Agency

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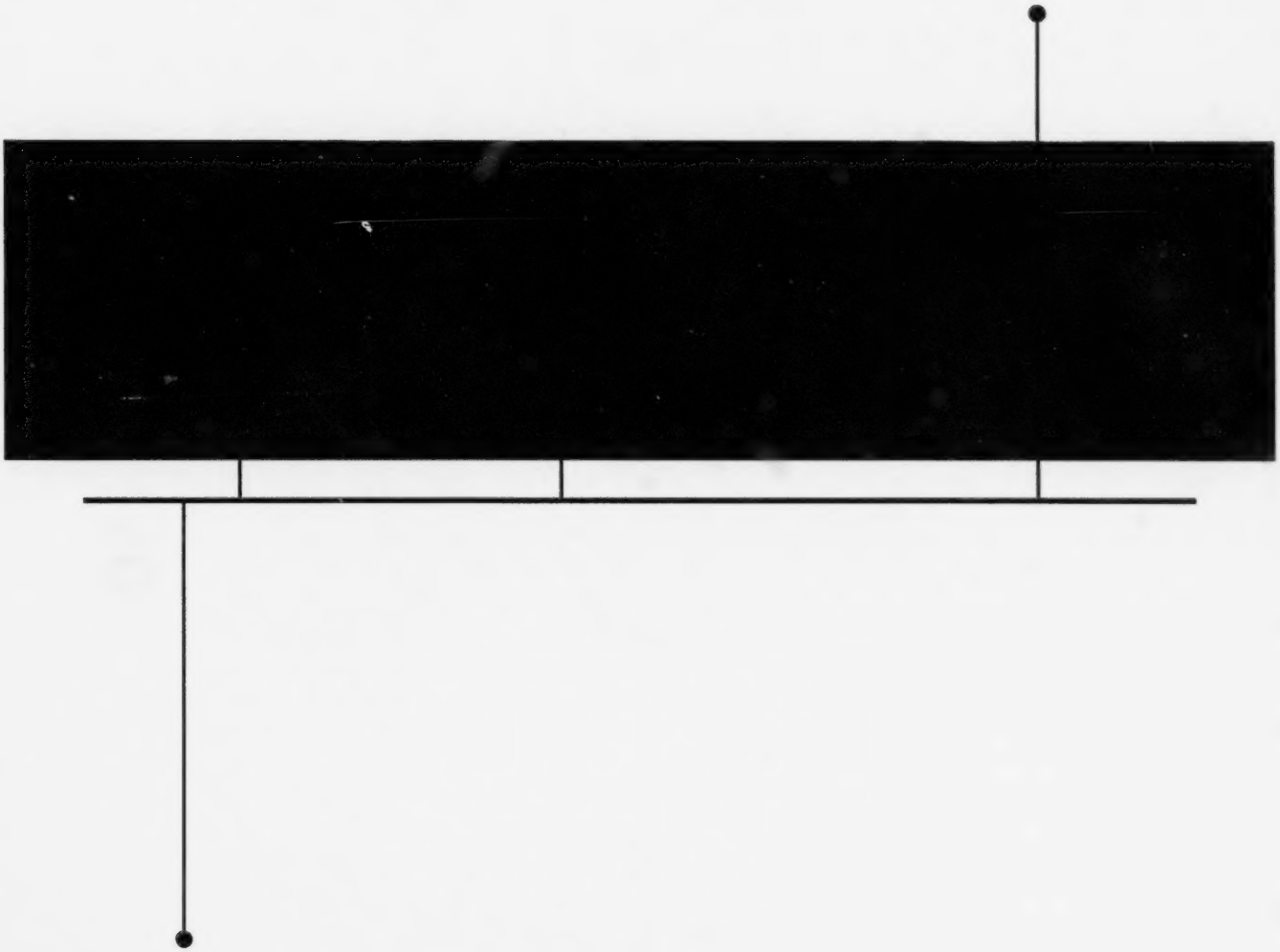
General Information



Introduction

The Agency is responsible for the registration, and certification of vital events through the administration of the *Vital Statistics Act*, *Marriage Act*, and *Name Act*. Statistical information contained in this report is summary data provided by the Agency for use by government agencies, health planners, researchers, and the general public. In order to maintain confidentiality the information does not disclose personally identifiable data.

Registrations

Section 44 of the *Vital Statistics Act* states: "As soon as convenient after January 1 in each year, the chief executive officer must make, for the use of the Legislative Assembly and for public information, a statistical report of the births, stillbirths, marriages, deaths, adoptions and changes of name registered during the preceding calendar year."

The table below is presented to fulfill these requirements.

VITAL EVENTS REGISTERED IN BRITISH COLUMBIA IN 2010

Event Type	Residents	Non-Residents	Total
Live Births	43,667	211	43,878
Deaths	31,143	285	31,428
Stillbirths	457	11	468
Marriages[1]	19,969	2,342	22,311
Adoptions	536	80	616
Changes of Name[2]	4,684	-	4,684

Note: [1]Residents include marriages where only one party was a British Columbia resident, as well as those where both parties were residents.

[2]These registrations resulted in 5,147 name changes.

Most of the information in this report pertains to residents of BC. Specifically, live birth, stillbirth, and death statistics summarize events that occurred in the province to BC residents only, and exclude events to non-residents except where noted. Marriage statistics summarize all events that occurred in the province to either residents or non-residents. Vital events that occurred to BC residents outside the province are not shown in this report. Statistics Canada makes adjustments in its publications for events that occur to Canadians outside their province of usual residence.

VITAL EVENT DATA

Data presented in this report are based on registrations of birth, stillbirth, death, and marriage as reported to the Agency. Registration requirements for each type of event are outlined briefly as follows:

Live Births: The *Vital Statistics Act* prescribes the legal requirements for the registration of live births. The parent(s) of the child have the responsibility to complete the Registration of Live Birth within 30 days of the event. The physician or registered midwife who was in attendance at the birth must complete a Notice of Live Birth or Stillbirth (NOB) form which must be made available to the Agency within 48 hours of the event. Other requirements must be met if the birth was not attended by a physician or registered midwife.

Stillbirths: In the event of a stillbirth, the parent(s) must complete the Registration of Stillbirth. The physician or registered midwife who was in attendance at the birth must complete a Notice of Live Birth or Stillbirth (NOB) form. In addition, a physician or coroner is required to complete the Medical Certification of Stillbirth portion of the Registration of Stillbirth and deliver it to the funeral director who in turn submits it to the Agency.

Deaths: The physician in attendance at the last illness of the deceased person, or the coroner conducting an inquiry into the death of the person is required to complete a Medical Certification of Death. The Registration of Death is completed by the informant with assistance from the funeral home. The funeral home director submits both documents to the Agency to complete the registration and proceeds to issue the burial permit.

Marriages: The *Marriage Act* prescribes the legal qualifications of individuals to marry, the authorization of religious representatives and marriage commissioners to perform the marriage ceremony, and the solemnization of marriage. Under the *Marriage Act*, the Agency licences religious representatives of established religious denominations who desire the authority to solemnize marriage. The Agency recommends for appointment marriage licence issuers and marriage commissioners to perform civil ceremonies.

MEDICAL CODING

The Notice of Live Birth or Stillbirth (NOB) includes information on birth weight, gestation, and mode of delivery, as well as abnormalities of the infant and complications of pregnancy, labour, and delivery. The Medical Certification of Death and the Medical Certification of Stillbirth include information on the immediate cause of death or stillbirth, antecedent causes giving rise to the immediate cause, and other significant conditions contributing to the death or stillbirth. This information is processed by medically trained staff using the World Health Organization's International Statistical Classification of Diseases (ICD) coding scheme.

Since the early 1900s, the ICD has been revised regularly in order to reflect advances in medical science and changes in diagnostic terminology. The ninth revision of ICD (ICD-9) was used for medical coding of birth complications and causes of death from 1979 until 1999. Coding according to the tenth revision (ICD-10) was implemented at the beginning of the year 2000. Many changes in the codes and in the rules for selection of the underlying cause of death precluded direct comparison of data in ICD-10 with data from earlier years. Translation tables were used, and extensive manual reviews and recoding of data from ICD-9 to ICD-10 were completed in order to be able to provide trend data in this annual report.

TIME PERIODS

This report pertains to events that occurred in the calendar year 2010. Selected tables present aggregate information for the previous five-year period. These broader time periods permit more meaningful tests of statistical significance when analyzing data at sub-provincial levels, and can smooth out random fluctuations that occur when annual numbers are small. For regional health status profiles, readers are encouraged to refer to measures of statistical significance and use data presented for the five-year aggregates.

The data for earlier years have been updated and may differ from other publications. Readers should treat this report as a replacement of previous publications and avoid comparisons with tables in earlier publications.

POPULATION DATA

Mid-year population estimates for incorporated communities, local health areas, and health regions were provided by BC STATS, Ministry of Citizens' Services. In the mortality section of this report, a 'standard population' is used in the calculation of Age Standardized Mortality Rates (ASMR) and Potential Years of Life Lost Standardized Rates (PYLLSR). The Agency has used the 1991 Canadian Census population as the 'standard population' in the calculation of these age-standardized measures since 1998. Please refer to Standard Population in the Glossary for a more detailed description and the Methodology section for examples of computations of measures and statistical tests.

SPATIAL ANALYSIS AND MAPPING

This report presents regional analyses using data dissemination areas used by the Ministry of Health (Health Authority (HA), Health Service Delivery Area (HSDA), and Local Health Area (LHA)) and for incorporated communities (see Figures 1 and 2). This continues the practice established in 2001 and provides HAs with a consistent time series of health status indicators for their regions. Health care services are managed and delivered by five HAs that govern, plan, and coordinate services regionally within 16 HSDAs. The Interior Health Authority encompasses four HSDAs. Fraser, Vancouver Coastal, Vancouver Island, and Northern Health Authorities each consist of three HSDAs. HSDAs can be further divided into LHAs. Vital events are allocated to these data dissemination areas by the postal codes recorded on registration documents.

Marriages are assigned geographically by the postal code of the location where the marriage ceremony was performed; other vital events are assigned by the usual residence of the parents (for live births and stillbirths) or the decedent (for deaths).

Converting statistical data to maps can often reveal relationships that are not readily discernable in tabular form. The maps in this report present local health area data ranked by quintiles and allow easy visual examination of spatial patterns. Although statistics for all LHAs are presented in the maps, emphasis should be placed on those that are statistically significant. Maps have been included in the Vital Statistics Annual Reports since 1989 in order to disseminate relevant community level health information to the public and to local health service providers, planners, and educators. These allow communities to address their own specific health challenges and identify local health priorities. This can foster locally based solutions and more appropriate decision making.

TERMS, METHODS, AND COMPUTATIONAL EXAMPLES

Readers are encouraged to refer to the Glossary for explanations of terms. The Methodology section provides examples of computations of measures and statistical tests.

FIGURE 1

LOCAL HEALTH AREA MAP

BRITISH COLUMBIA

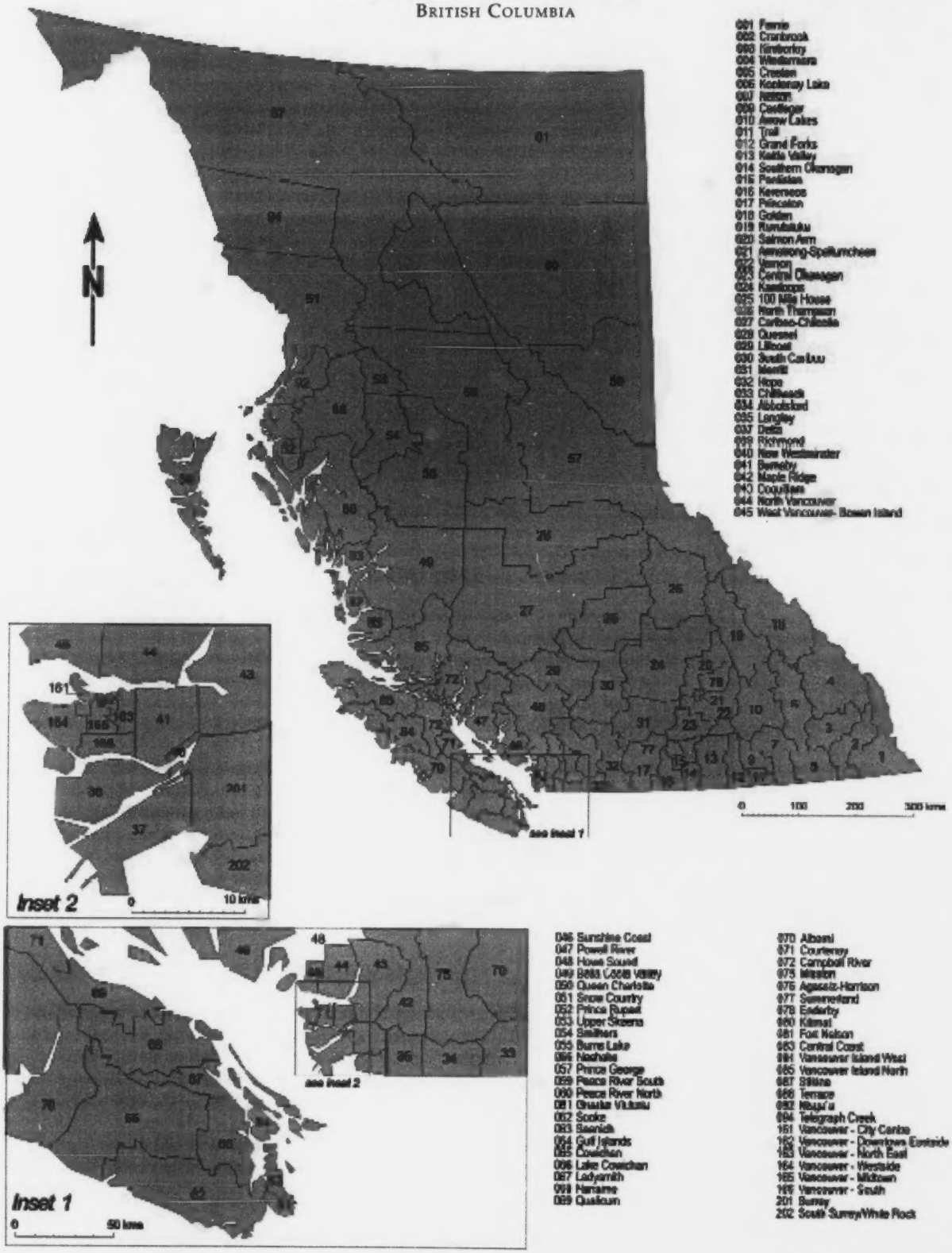
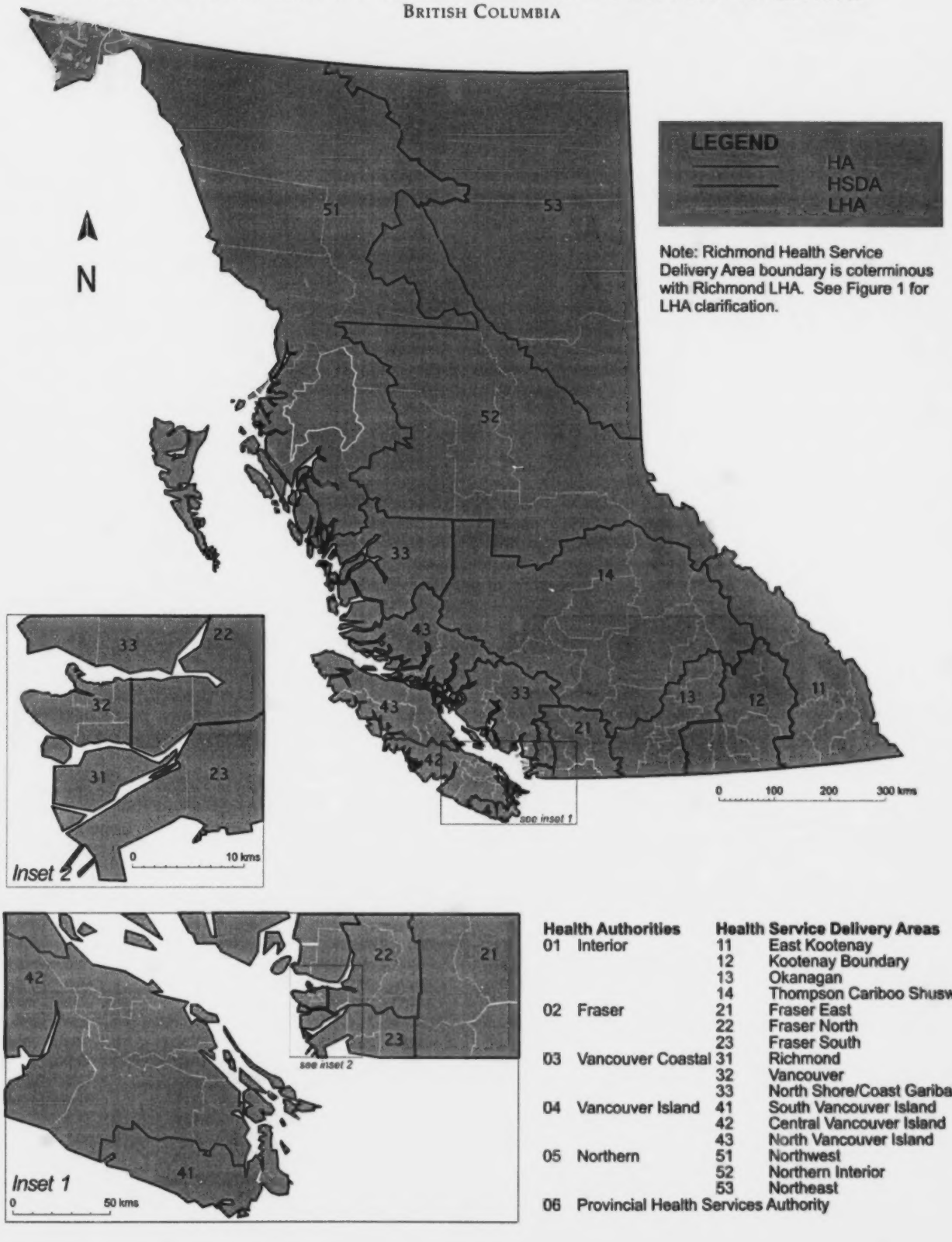


FIGURE 2

HEALTH AUTHORITY & HEALTH SERVICE DELIVERY AREA MAP

BRITISH COLUMBIA



Health Authorities		Health Service Delivery Areas	
01	Interior	11	East Kootenay
		12	Kootenay Boundary
		13	Okanagan
		14	Thompson Cariboo Shuswa
02	Fraser	21	Fraser East
		22	Fraser North
		23	Fraser South
03	Vancouver Coastal	31	Richmond
		32	Vancouver
		33	North Shore/Coast Garibald
04	Vancouver Island	41	South Vancouver Island
		42	Central Vancouver Island
		43	North Vancouver Island
05	Northern	51	Northwest
		52	Northern Interior
		53	Northeast
06	Provincial Health Services Authority		

FIGURE 1

LOCAL HEALTH AREA MAP

BRITISH COLUMBIA

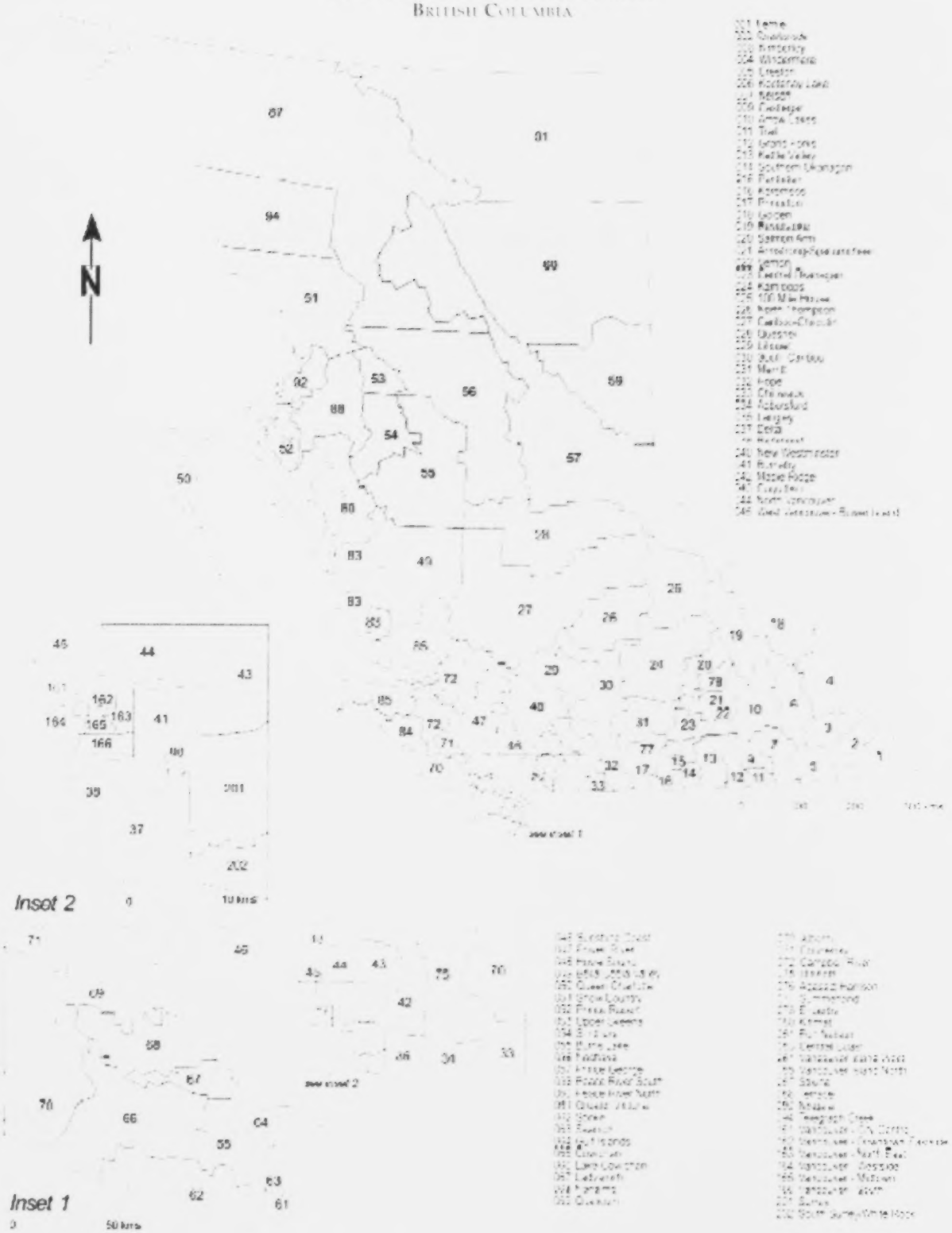
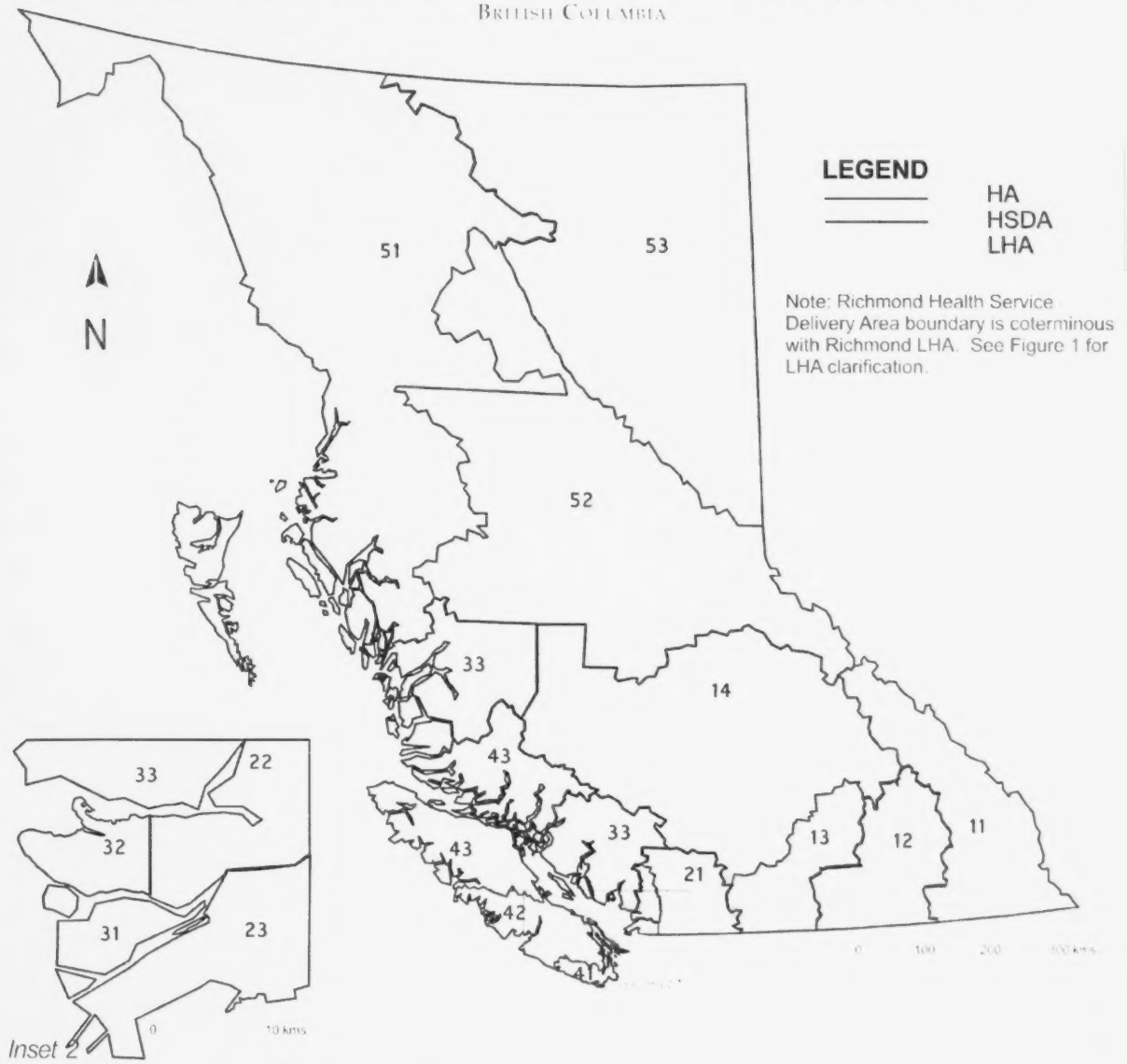


FIGURE 2

HEALTH AUTHORITY & HEALTH SERVICE DELIVERY AREA MAP

BRITISH COLUMBIA



Health Authorities		Health Service Delivery Areas	
01	Interior	11	East Kootenay
		12	Kootenay Boundary
		13	Okanagan
		14	Thompson Cariboo Shuswa
02	Fraser	21	Fraser East
		22	Fraser North
		23	Fraser South
03	Vancouver Coastal	31	Richmond
		32	Vancouver
		33	North Shore/Coast Garibalc
04	Vancouver Island	41	South Vancouver Island
		42	Central Vancouver Island
		43	North Vancouver Island
05	Northern	51	Northwest
		52	Northern Interior
		53	Northeast
06	Provincial Health Services Authority		

Trends in Vital Events

Vital Statistics Information Box

On a Typical Day in British Columbia in 2010

119 LIVE BIRTHS OCCURRED IN THE PROVINCE TO BC RESIDENTS:

- 61 males and 58 females were born
- 4 were born to teenage mothers
- 28 were born to mothers aged 35 years old or more
- 4 were multiple births
- 37 were cesarean deliveries
- 7 were low birth weight babies
- 9 were pre-term
- 65 live births involved maternal complications
- 41 babies had perinatal complications
- 12 stillbirths every 10 days

86 DEATHS OCCURRED IN THE PROVINCE TO BC RESIDENTS:

- 44 males and 42 females died
- 67 deaths were seniors aged 65 years old or more including
  - 44 deaths aged 80 years old or more
- 6 deaths every 10 days were children less than 15 years old including
  - 4 infant deaths every 10 days
- 25 deaths were due to diseases of the circulatory system including
  - 18 from cardiovascular disease
  - 6 from cerebrovascular disease
- 25 deaths were due to malignant neoplasms (cancer) including
  - 6 from malignant neoplasm of trachea and lung
  - 3 from malignant neoplasm of colon and rectum
  - 2 from malignant neoplasm of female breast
- 9 deaths were due to diseases of the respiratory system including
  - 3 from pneumonia and influenza
  - 4 from chronic pulmonary disease
- 2 deaths every 10 days were due to HIV disease
- 5 deaths were from external causes including
  - 1 suicide
  - 1 motor vehicle accident
  - 1 accidental fall
- 5 deaths were alcohol-related:
  - 1 directly due to alcohol and 4 indirectly due to alcohol
- 1 death was drug-induced
- 17 deaths were attributed to smoking

61 MARRIAGES WERE SOLEMNIZED IN THE PROVINCE:

- 39 were civil ceremonies and 22 were performed by religious representatives
- 41 marriages were to couples where both parties were marrying for the first time
- 1 marriage every 10 days was to a couple where both parties were teenagers

Trends Introduction

The tables and figures in this part of the Annual Report provide a long term historical review of birth, death, and marriage statistics during the past few decades. They provide a broad context for the recent vital event statistics shown in other parts of this report. Long term trends are useful for evaluating recent events and trends, so the tables and figures are often cross referenced to related tables in subsequent parts of the report.

Overview

This section begins with a review of population, live birth, stillbirth, death, and marriage trends. This is followed by information on natural population increases and vital events by month.

Table 1 summarizes vital events that occurred from 1950-2010 and includes the mid-year BC populations. The BC population has shown a steady increase since 1950 so the columns indicating the rates are the most telling of indicators.

The rate of live births to residents increased steadily from 1950 to 1957 (as shown in Table 1). It levelled until 1960, and then dropped quite rapidly during the next ten years after which the decline moderated but generally continued until 2005. Between 2005 and 2007, there was a slight increase in the rate of live births over previous years but has remained fairly constant in more recent years. The mortality rate has declined from about ten per 1,000 population in 1950 to about seven per 1,000 in the mid 1980s and remained at about that level until 2010.

Marriage information pertains to all marriages solemnized in the province, not only those to residents. The marriage rate was about ten marriages per 1,000 British Columbians in 1950 but declined to about seven per 1,000 in 1960, then rose again to almost the 1950 rate by 1970. Since then, the marriage rate has declined to about five marriages per 1,000 population in 2010.

Regarding stillbirths, readers should be aware that there was a change in definition which led to the apparent 'jump' in numbers and rates in 1963. That change, and another in 1986, is explained under Stillbirth in the Glossary. Other than the increase in 1963 and irregularities due to small numbers of stillbirths, rates generally declined until the early 1990s and have fluctuated around seven per 1,000 total births until 2005. The rates since 2006 have increased from 7.99 to 10.36 in 2010.

Table 2 and Figure 4 show the rate of natural population increase (NPI) in BC and Canada since 1950. Natural population growth is explained in the Glossary. Not counting migration into or out of BC, the population grew "naturally" by 13,647 or at the rate of 2.8 per 1,000 British Columbians in 2010. BC's rate of NPI has been consistently below Canada's except for the first half of the 1980s. Both BC's and Canada's rates have gradually declined since the late 1950s.

Table 3 and Figure 5 show the number of live births, deaths, marriages, and stillbirths to residents according to the month in which they occurred. The number of marriages each month includes residents and non-residents. The percent columns show the monthly percent of all events to residents, except marriages which show the percent of all marriages. The table also includes the number of live births, deaths and stillbirths to non-residents.

There is continual speculation and anecdotal evidence that vital events tend to occur in particular months or seasons. The data presented in Table 3 and Figure 5 may not put an end to that speculation, but live births and deaths were pretty evenly distributed across the months and seasons in 2010. On the other hand, there was a clear preference to marry during the summer months. Although there were fluctuations in the number and percentage of stillbirths, due to the small number of events, no trend was apparent.

TABLE 1

LIVE BIRTHS, DEATHS, MARRIAGES AND STILLBIRTHS

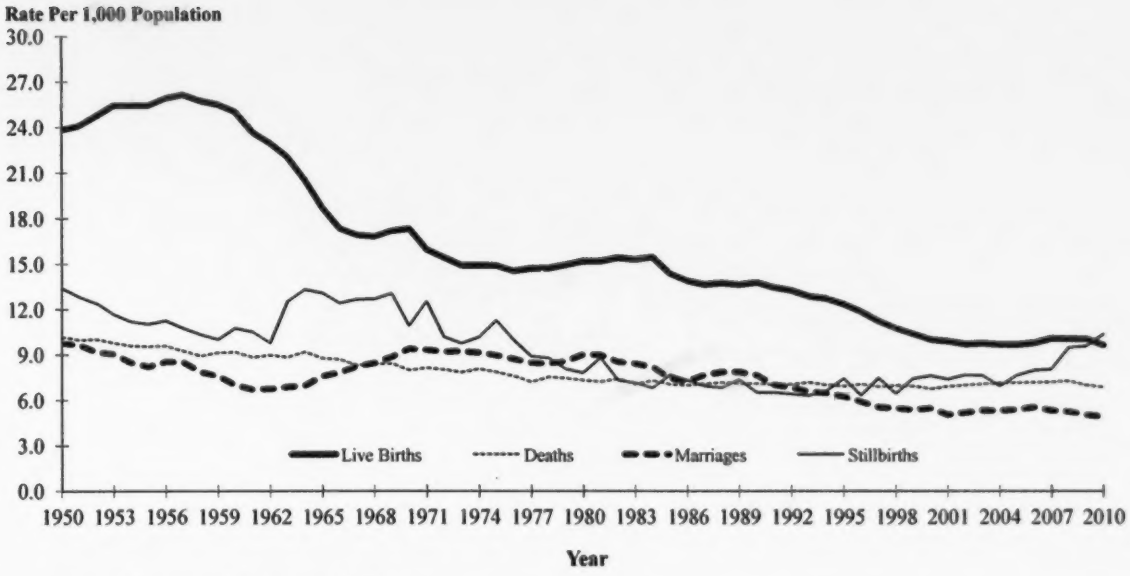
BRITISH COLUMBIA, 1950–2010

Year	Mid-year Population	Live Births		Deaths		Marriages		Stillbirths	
		Number	Rate	Number	Rate	Number	Rate	Number	Rate
1950	1,137,000	27,116	23.85	11,581	10.19	11,110	9.77	369	13.43
1951	1,165,210	28,077	24.10	11,638	9.99	11,272	9.67	365	12.83
1952	1,205,000	29,827	24.75	12,080	10.02	11,081	9.20	375	12.42
1953	1,248,000	31,746	25.44	12,218	9.79	11,298	9.05	375	11.67
1954	1,295,000	32,946	25.44	12,414	9.59	10,991	8.49	373	11.19
1955	1,342,000	34,138	25.44	12,816	9.55	11,011	8.20	381	11.04
1956	1,398,464	36,241	25.91	13,415	9.59	11,950	8.55	413	11.27
1957	1,482,000	38,744	26.14	13,711	9.25	12,620	8.52	422	10.77
1958	1,538,000	39,577	25.73	13,741	8.93	12,094	7.86	414	10.35
1959	1,567,000	39,971	25.51	14,336	9.15	11,910	7.60	404	10.01
1960	1,602,000	40,116	25.04	14,696	9.17	11,203	6.99	437	10.78
1961	1,629,100	38,591	23.69	14,403	8.84	10,935	6.71	410	10.51
1962	1,660,000	38,128	22.97	14,912	8.98	11,196	6.74	377	9.79
1963	1,699,000	37,478	22.06	15,029	8.85	11,677	6.87	476	12.54
1964	1,745,000	35,897	20.57	16,051	9.20	12,158	6.97	485	13.33
1965	1,797,000	33,669	18.74	15,784	8.78	13,639	7.59	447	13.10
1966	1,873,674	32,502	17.35	16,290	8.69	14,682	7.84	409	12.43
1967	1,945,000	32,899	16.91	16,170	8.31	16,026	8.24	422	12.66
1968	2,003,000	33,687	16.82	16,828	8.40	16,914	8.44	433	12.69
1969	2,060,000	35,383	17.18	17,377	8.44	18,284	8.88	468	13.05
1970	2,128,000	36,861	17.32	17,020	8.00	20,020	9.41	407	10.92
1971	2,184,620	34,852	15.95	17,783	8.14	20,389	9.33	442	12.52
1972	2,241,400	34,563	15.42	18,021	8.04	20,659	9.22	356	10.20
1973	2,302,400	34,352	14.92	18,095	7.86	21,303	9.25	339	9.77
1974	2,375,700	35,450	14.92	19,177	8.07	21,734	9.15	364	10.16
1975	2,433,200	36,281	14.91	19,151	7.87	21,824	8.97	414	11.28
1976	2,466,610	35,848	14.53	18,788	7.62	21,536	8.73	361	9.97
1977	2,493,800	36,691	14.71	18,021	7.23	21,156	8.48	330	8.91
1978	2,530,100	37,231	14.72	19,057	7.53	21,388	8.45	331	8.81
1979	2,571,200	38,432	14.95	19,204	7.47	22,087	8.59	313	8.08
1980	2,640,100	40,104	15.19	19,371	7.34	23,830	9.03	316	7.82
1981	2,744,470	41,679	15.19	19,857	7.24	24,694	9.00	371	8.82
1982	2,787,700	42,942	15.40	20,704	7.43	23,831	8.55	317	7.33
1983	2,813,800	43,047	15.30	19,895	7.07	23,692	8.42	310	7.15
1984	2,847,700	44,040	15.47	20,781	7.30	23,394	8.22	303	6.83
1985	2,990,000	42,989	14.38	21,131	7.07	22,270	7.45	333	7.69
1986	3,003,621	41,711	13.89	21,009	6.99	21,847	7.27	308	7.33
1987	3,048,651	41,610	13.65	21,619	7.09	23,419	7.68	291	6.94
1988	3,114,761	42,859	13.76	22,358	7.18	24,520	7.87	295	6.84
1989	3,196,725	43,585	13.63	22,786	7.13	25,179	7.88	324	7.38
1990	3,292,111	45,350	13.78	23,416	7.11	25,225	7.66	298	6.53
1991	3,373,787	45,346	13.44	23,821	7.06	23,667	7.01	298	6.53
1992	3,468,802	46,002	13.26	24,463	7.05	23,761	6.85	298	6.44
1993	3,567,772	45,920	12.87	25,604	7.18	23,483	6.58	292	6.32
1994	3,676,075	46,810	12.73	25,832	7.03	23,776	6.47	312	6.62
1995	3,777,390	46,668	12.35	26,226	6.94	23,638	6.26	350	7.44
1996	3,874,317	45,940	11.86	27,394	7.07	22,881	5.91	292	6.32
1997	3,948,583	44,379	11.24	27,271	6.91	21,884	5.54	335	7.49
1998	3,983,113	42,853	10.76	27,813	6.98	21,780	5.47	278	6.45
1999	4,011,375	41,727	10.40	27,897	6.95	21,629	5.39	313	7.45
2000	4,039,230	40,479	10.02	27,355	6.77	22,096	5.47	311	7.62
2001	4,076,264	40,373	9.90	28,250	6.93	20,575	5.05	301	7.40
2002	4,098,178	39,883	9.73	28,715	7.01	21,265	5.19	309	7.69
2003	4,122,396	40,292	9.77	29,159	7.07	21,984	5.33	311	7.66
2004	4,155,170	40,317	9.70	29,728	7.15	22,090	5.32	282	6.95
2005	4,196,788	40,648	9.69	30,101	7.17	22,637	5.39	314	7.67
2006	4,243,580	41,569	9.80	30,544	7.20	23,518	5.54	335	7.99
2007	4,309,632	43,474	10.09	31,121	7.22	22,973	5.33	354	8.08
2008	4,383,860	44,125	10.07	31,905	7.28	22,981	5.24	423	9.50
2009	4,460,292	44,887	10.06	31,240	7.00	22,475	5.04	435	9.60
2010	4,530,960	43,667	9.64	31,143	6.87	22,311	4.92	457	10.36

FIGURE 3

CRUDE RATES OF LIVE BIRTHS, DEATHS, MARRIAGES AND STILLBIRTHS

BRITISH COLUMBIA, 1950–2010



Note: Stillbirth rate per 1,000 total births

Notes for Table 1

Rates shown for live births, deaths and marriages are crude rates per 1,000 population. Stillbirth rate is per 1,000 total births (live births plus stillbirths). The definition of a stillbirth was revised in 1963 and 1986 (see Glossary). Population information from BC Stats, Ministry of Labour and Citizens' Services. Above information includes late registrations and amendments. Gender unknown included. Non-residents are excluded from all data except marriages.

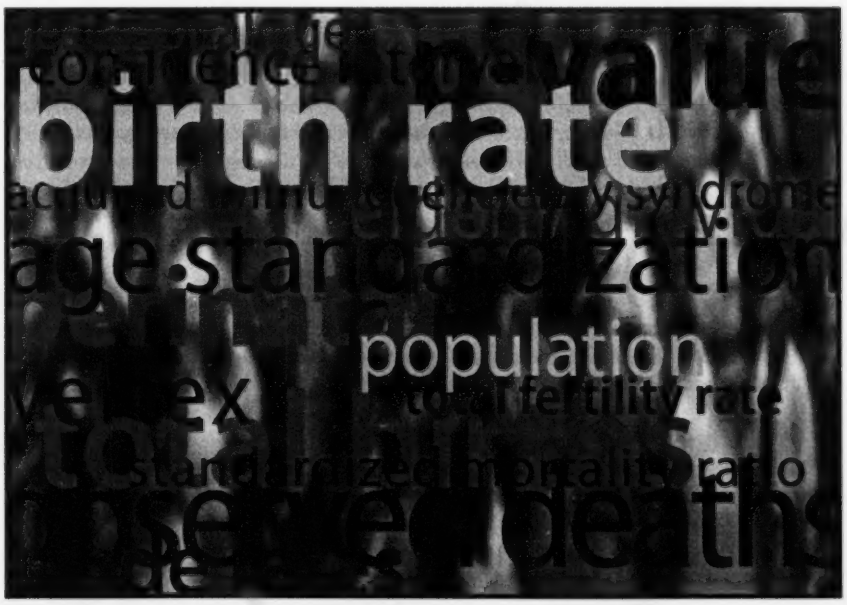


TABLE 2
NATURAL POPULATION INCREASES
BRITISH COLUMBIA AND CANADA, 1950–2010

Year	Rate B.C.	Rate Canada	Year	Rate B.C.	Rate Canada
1950	13.7	18.0	1980	7.9	8.3
1951	14.1	18.2	1981	8.0	8.0
1952	14.7	19.2	1982	8.0	7.9
1953	15.6	19.5	1983	8.2	7.8
1954	15.9	20.3	1984	8.2	7.8
1955	15.9	20.0	1985	7.3	7.5
1956	16.3	19.8	1986	6.9	7.2
1957	16.9	20.0	1987	6.6	7.0
1958	16.8	19.6	1988	6.6	7.0
1959	16.4	19.4	1989	6.5	7.4
1960	15.9	19.0	1990	6.7	7.7
1961	14.8	18.4	1991	6.4	7.4
1962	14.0	17.6	1992	6.2	7.1
1963	13.2	16.8	1993	5.7	6.4
1964	11.4	15.9	1994	5.7	6.1
1965	10.0	13.7	1995	5.4	5.7
1966	8.7	11.9	1996	4.8	5.2
1967	8.6	10.8	1997	4.3	4.4
1968	8.4	10.2	1998	3.8	4.1
1969	8.7	10.3	1999	3.4	3.8
1970	9.3	10.1	2000	3.3	3.9
1971	7.8	9.5	2001	3.0	3.5
1972	7.4	8.5	2002	2.7	3.4
1973	7.1	8.1	2003	2.7	3.4
1974	6.8	8.0	2004	2.5	3.4
1975	7.0	8.5	2005	2.5	3.4
1976	6.9	8.4	2006	2.6	3.7
1977	7.5	8.4	2007	2.9	3.9
1978	7.2	8.1	2008	2.8	4.0
1979	7.5	8.4	2009	3.1	4.0
			2010	2.8	3.9

Note: Rates shown are rates of natural population increase per 1,000 population. Canadian rates from Statistics Canada. Non-residents are excluded.

FIGURE 4
TRENDS OF NATURAL POPULATION GROWTH
BRITISH COLUMBIA AND CANADA, 1950–2010

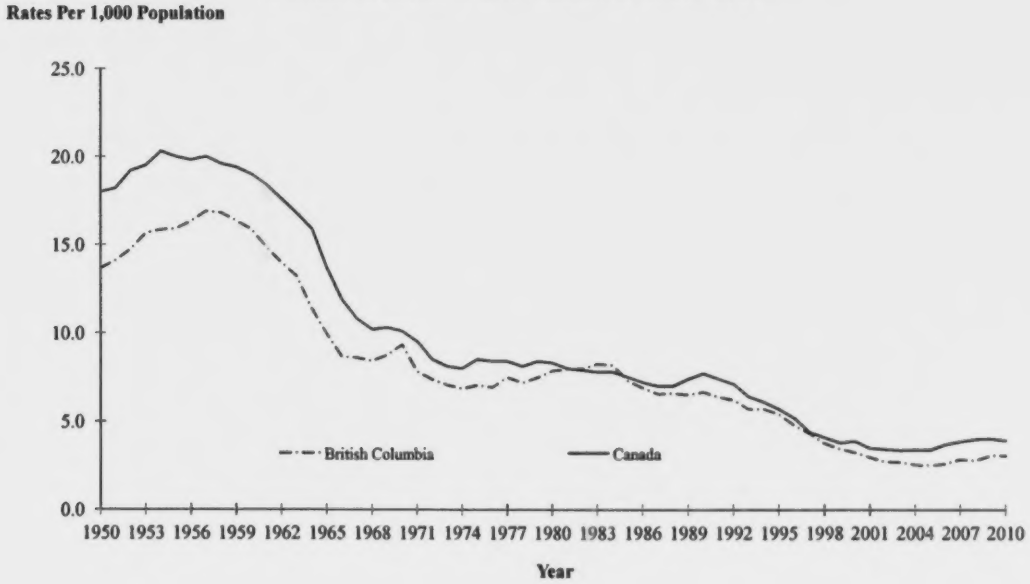
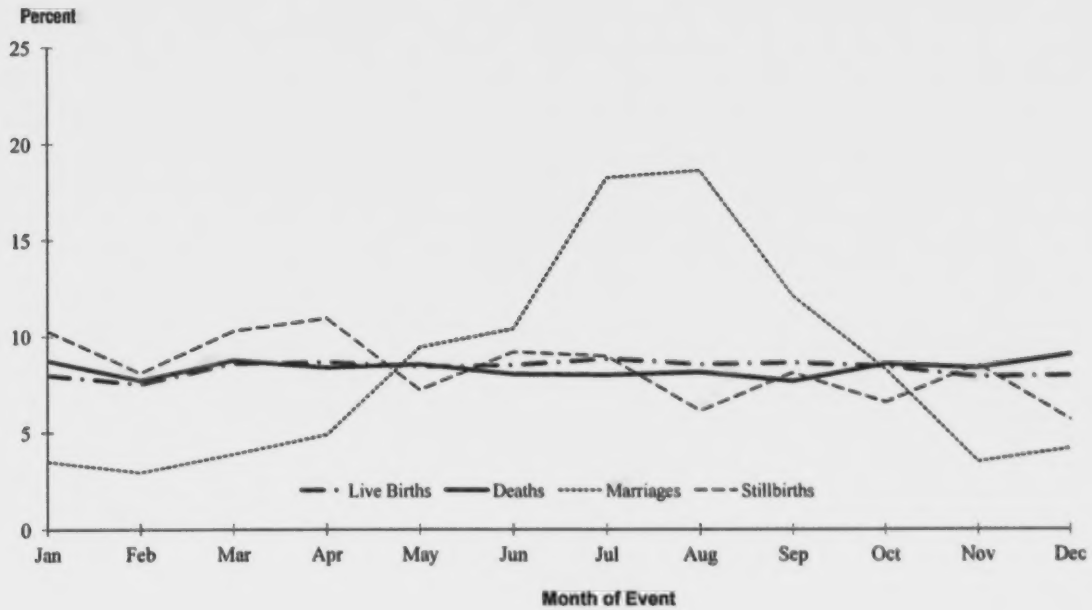


TABLE 3
LIVE BIRTHS, DEATHS, MARRIAGES AND STILLBIRTHS BY MONTH
BRITISH COLUMBIA, 2010

Month	Live Births		Deaths		Marriages		Stillbirths	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
January	3,486	8.0	2,725	8.7	785	3.5	47	10.3
February	3,285	7.5	2,403	7.7	658	2.9	37	8.1
March	3,756	8.6	2,731	8.8	871	3.9	47	10.3
April	3,783	8.7	2,614	8.4	1,093	4.9	50	10.9
May	3,683	8.4	2,664	8.6	2,105	9.4	33	7.2
June	3,714	8.5	2,506	8.0	2,316	10.4	42	9.2
July	3,855	8.8	2,489	8.0	4,068	18.2	41	9.0
August	3,727	8.5	2,537	8.1	4,151	18.6	28	6.1
September	3,765	8.6	2,386	7.7	2,697	12.1	37	8.1
October	3,683	8.4	2,661	8.5	1,850	8.3	30	6.6
November	3,450	7.9	2,603	8.4	781	3.5	39	8.5
December	3,480	8.0	2,824	9.1	936	4.2	26	5.7
Residents*	43,667	100.0	31,143	100.0	22,311	100.0	457	100.0
Non-residents	211		285		*		11	
TOTAL	43,878		31,428		22,311		468	

Note: Total percentage may not add up to 100 due to rounding.
*Marriage counts by month are based on event place and include non-residents.

FIGURE 5
LIVE BIRTHS, DEATHS, MARRIAGES AND STILLBIRTHS BY MONTH
BRITISH COLUMBIA, 2010



Fertility and Live Birth Trends

The Total Fertility Rate (TFR) in Table 4 is the number of births 1,000 women can expect during their child bearing years, from 15 to 44 years of age. It is described more fully in the Glossary and an example of the calculation method is shown in the Methodology section.

The fertility rate in BC today is about half the 1950s rate. Shortly after World War II, fertility began to increase, commonly referred to as the post war baby boom. As shown in Table 4, fertility rates increased from 1950 to 1960 after which there was a sharp decline until the late 1970s. This declining trend continued more slowly, with some fluctuations, until 2002. Since then, the fertility rates have increased until 2007 and levelled off in recent years at approximately 100 more births per 1,000 women compared with the 2002 rates. Figure 6 shows the fertility rates for the last two decades. Fertility by LHA and among teenagers is analysed in Table 10 and Figure 29 respectively.

In addition to trends in Total Fertility Rates, this section discusses trends in maternal age, multiple births, low birth weight, and cesarean section deliveries.

Figure 7 shows annual percentages of live births to women in three age groups for the years 1986-2010. The oldest group (aged 35 years or more) is gradually increasing its percentage compared to the two younger groups (less than 20 years and 20 to 34 years old). The average age at which women are bearing children is increasing, but still about three quarters of live births are to women in the 20-34 years age group. Maternal age is related to other important birth characteristics and is a component of several tables in the birth related statistics section of this report.

As illustrated by Figure 8, the percentage of multiple births increased substantially between 1986 and 2010. Multiple birth infants have a higher risk of being preterm, having low birth weight, suffering perinatal death or illness than singletons . Multiple birth infants accounted for 1.9 percent of all live births in 1986 and 3.2 percent in 2010. This was a statistically significant increase at the 95 percent level.

Figures 9 and 10 both illustrate the occurrence of Low Birth Weight (LBW) live births (those births with a birth weight of less than 2,500 grams) over the period 1986-2010. Figure 9 shows both the counts of such births and the rates per 1,000 live births for all mothers. Figure 10 shows the rate per 1,000 live births for mothers 35 years and older. While LBW rates increased gradually from 46.9 in 1986 to 54.5 per 1,000 live births in 2010. The rate in older mothers has increased more sharply from 44.9 in 1986 to 67.9 per 1,000 live births in 2010. The trend in each of these graphs is statistically significant at the 95 percent level.

Three relevant indicators are presented in Figures 11, 12, and 13. The upward trend in the cesarean section rates since 1986 (Figure 11) is statistically significant at the 95 percent level. The rates appear to have levelled slightly in the last couple of years. Cesarean sections by Health Service Delivery Area (HSDA) varied considerably in 2010 (Figure 12) from a low of 25.3 percent of live births to residents of HSDA 42 - Central Vancouver Island to a high of 34.3 percent of live births to residents of HSDA 22 - Fraser North .

An important consideration regarding cesarean sections is the age of the mother. There were clear differences between age groups (Figure 13), with cesarean rates highest for mothers aged 35 or older and lowest for teen mothers. All age groups showed upward trends that were statistically significant at the 95 percent level. The difference between rates also appears to be increasing over the last two decades.

Cesarean deliveries are shown in relation to other modes of delivery in Table 11 and by LHA in Table 12 and Figure 30 in the Birth-related Statistics section of this report.

[1]http://www.multiplebirthscanada.org/english/documents/low_birth_bro_final2005.pdf.

TABLE 4
TOTAL FERTILITY RATES
BRITISH COLUMBIA, 1950–2010

Year	Total Fertility Rate	Live Births	Year	Total Fertility Rate	Live Births
1950	3,074	27,116	1980	1,716	40,104
1951	3,201	28,077	1981	1,718	41,679
1952	3,327	29,827	1982	1,749	42,942
1953	3,542	31,746	1983	1,751	43,047
1954	3,656	32,946	1984	1,781	44,040
1955	3,748	34,138	1985	1,642	42,989
1956	3,875	36,241	1986	1,603	41,711
1957	3,921	38,744	1987	1,606	41,610
1958	3,900	39,577	1988	1,635	42,859
1959	3,958	39,971	1989	1,637	43,585
1960	3,949	40,116	1990	1,670	45,350
1961	3,785	38,591	1991	1,660	45,348
1962	3,709	38,128	1992	1,655	46,002
1963	3,564	37,478	1993	1,633	45,920
1964	3,284	35,897	1994	1,639	46,810
1965	2,710	33,669	1995	1,609	46,668
1966	2,442	32,502	1996	1,544	45,940
1967	2,307	32,899	1997	1,479	44,379
1968	2,228	33,687	1998	1,445	42,853
1969	2,223	35,383	1999	1,419	41,727
1970	2,185	36,861	2000	1,387	40,479
1971	1,994	34,852	2001	1,388	40,373
1972	1,890	34,563	2002	1,380	39,883
1973	1,751	34,352	2003	1,408	40,292
1974	1,735	35,450	2004	1,415	40,317
1975	1,682	36,281	2005	1,428	40,648
1976	1,618	35,848	2006	1,455	41,569
1977	1,636	36,691	2007	1,500	43,474
1978	1,620	37,231	2008	1,492	44,125
1979	1,721	38,432	2009	1,485	44,887
			2010	1,417	43,667

Note: Total Fertility Rate – Sum of age-specific fertility rates multiplied by the number of years in each age group (see Glossary for definition). Rates per 1,000 women age 15 to 44. Non-residents are excluded.

FIGURE 6
TOTAL FERTILITY RATES AND NUMBER OF LIVE BIRTHS
BRITISH COLUMBIA, 1986–2010

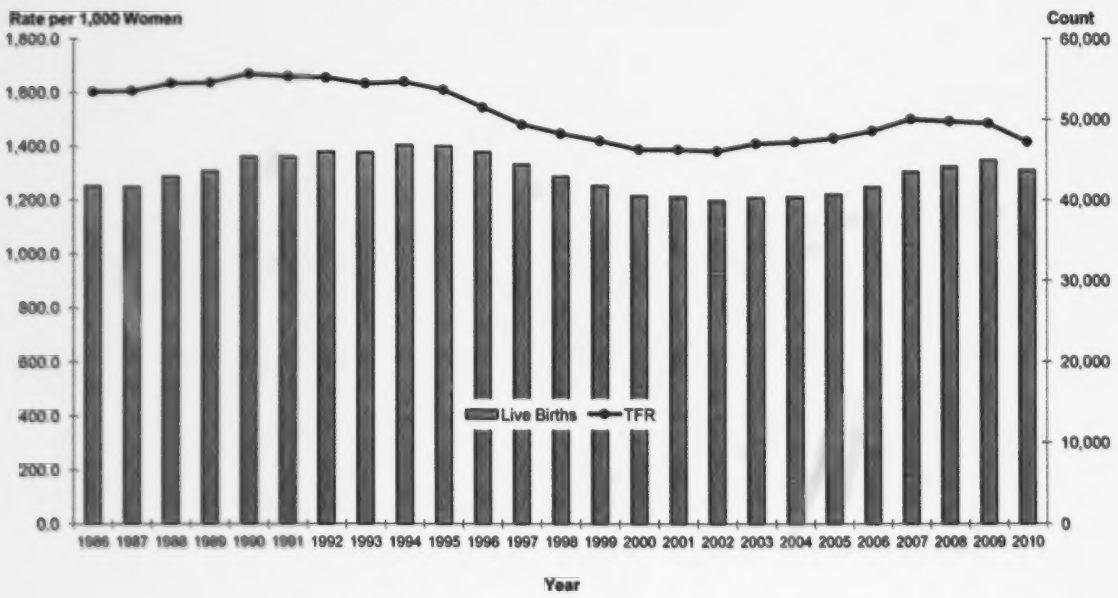


FIGURE 7

LIVE BIRTHS BY AGE OF MOTHER

BRITISH COLUMBIA, 1986–2010

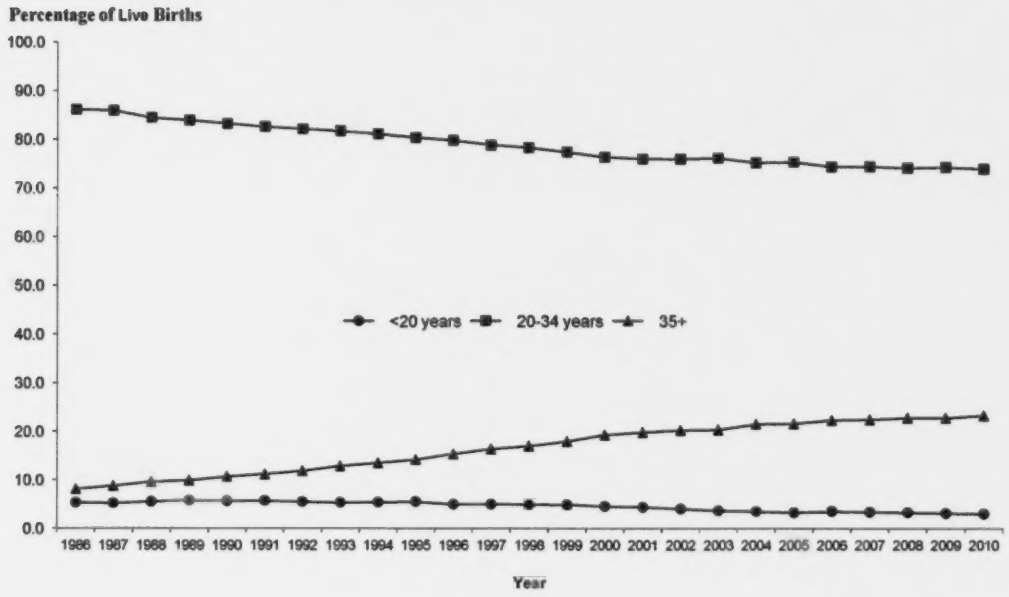


FIGURE 8

MULTIPLE BIRTHS AS A PERCENTAGE OF LIVE BIRTHS

BRITISH COLUMBIA, 1986–2010

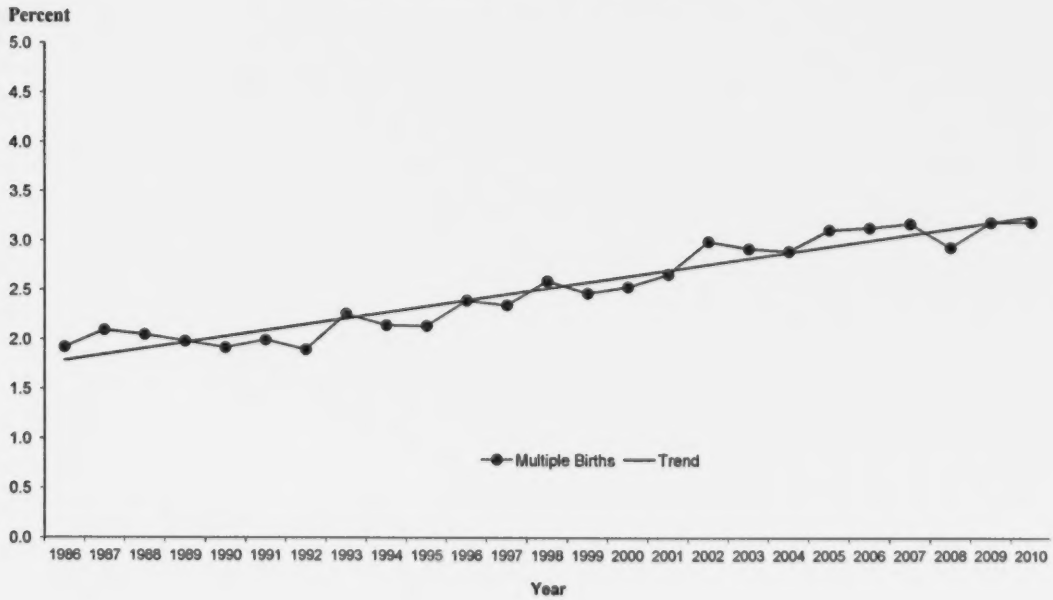


FIGURE 9
LOW BIRTH WEIGHT LIVE BIRTHS
BRITISH COLUMBIA, 1986–2010

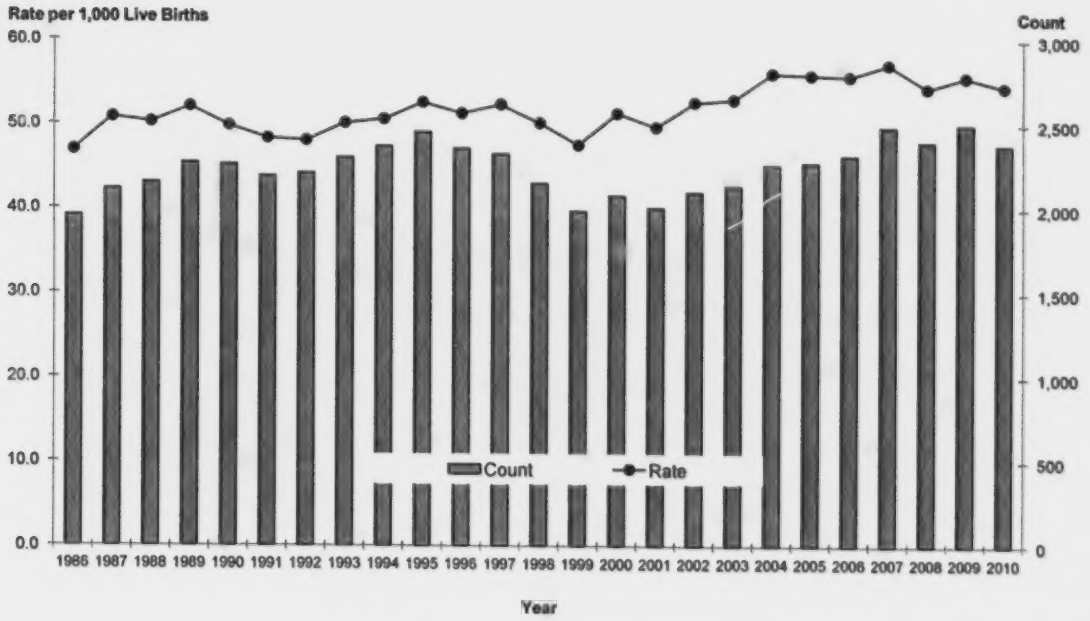


FIGURE 10
LOW BIRTH WEIGHT LIVE BIRTHS FOR MOTHERS AGED 35+
BRITISH COLUMBIA, 1986–2010

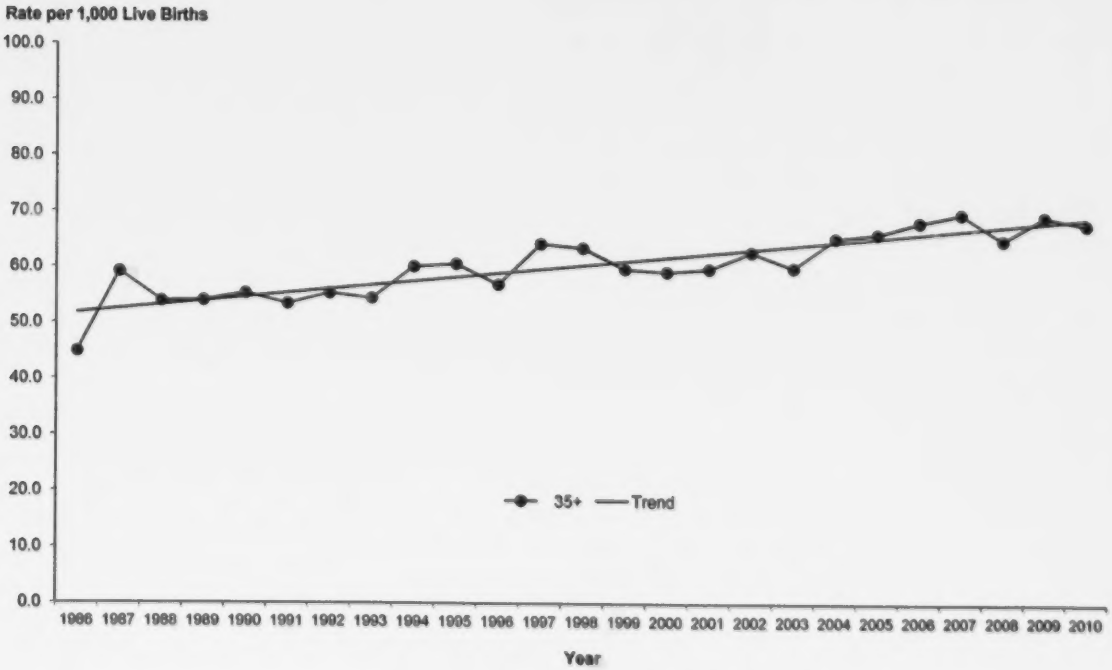


FIGURE 11
CESAREAN SECTIONS
BRITISH COLUMBIA, 1986–2010

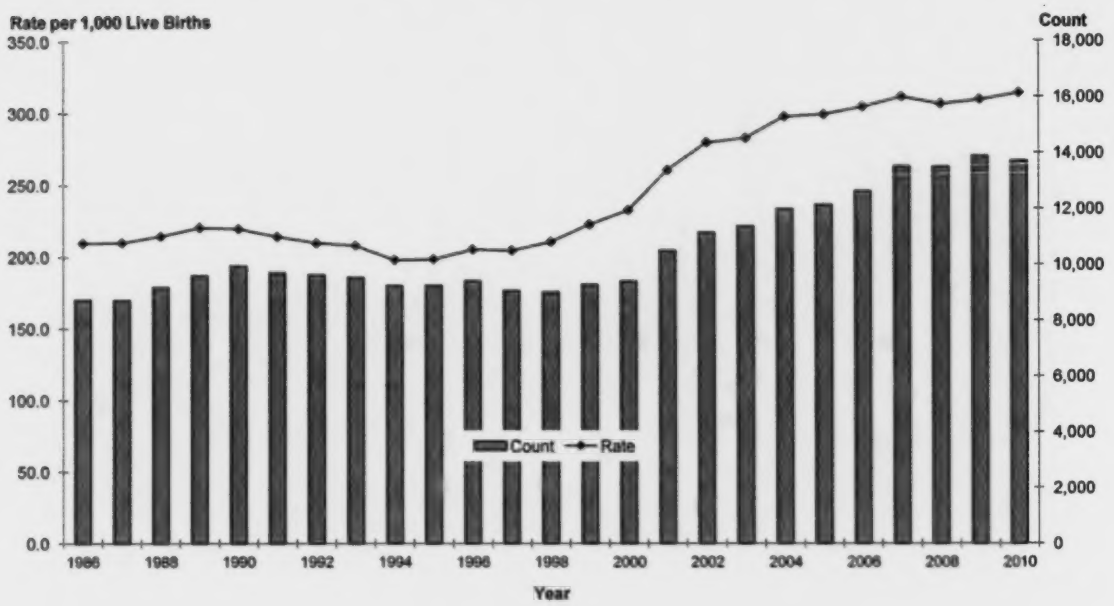


FIGURE 12
CESAREAN SECTIONS BY HEALTH SERVICE DELIVERY AREA
BRITISH COLUMBIA, 2010

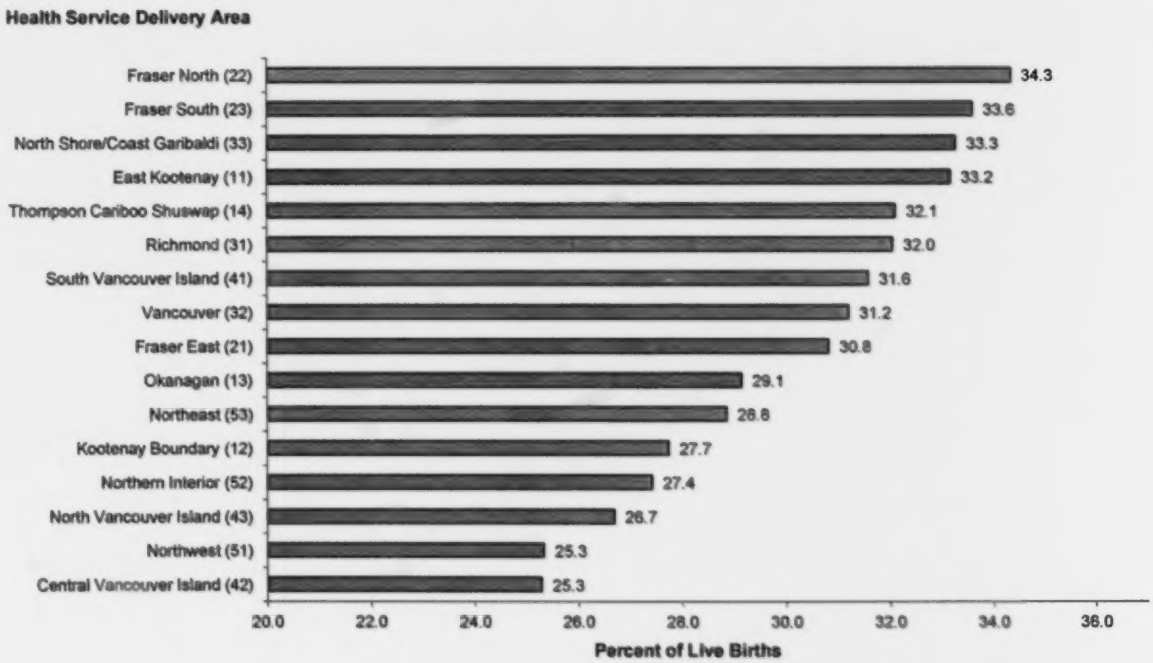
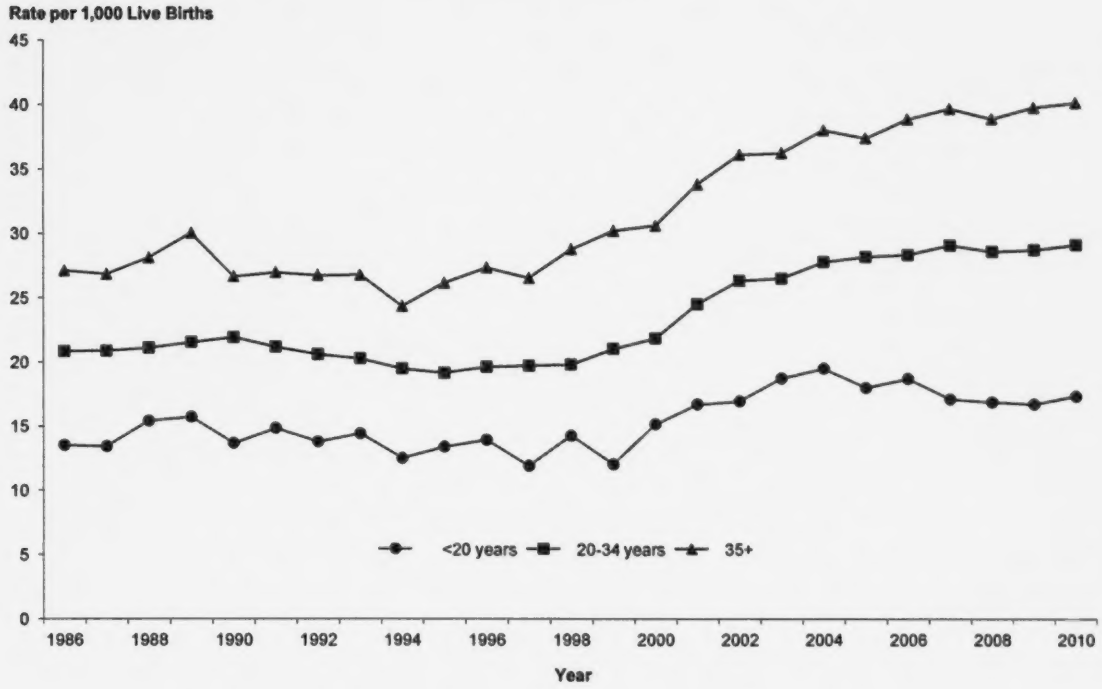


FIGURE 13

CESAREAN SECTIONS BY AGE OF MOTHER

BRITISH COLUMBIA, 1986–2010



Infant Mortality Trends

Table 5 shows the number of infants in BC who died before their first birthday in the years 1965-2010. Also shown are the rates at which these deaths occurred per 1,000 live births and the corresponding rates for Canada. The infant death rate in Canada and BC decreased to around one fifth of the 1965 level by 2010. This table shows clearly that over half of infant deaths occur in the first six days of life. The Glossary defines the various divisions of infant deaths according to the infant's age.

For most of the time period covered by Table 5, there is comparable data at the Canadian level. Until 1991, Canada's and BC's infant mortality rates were similar. Since then, BC's rate of infant mortality has been lower than the overall Canadian rate.

Figure 14 illustrates the downward trends in both the number and the rate of infant deaths over the past 25 years. Both trends are statistically significant at the 95 percent level.

Figures 15 and 16 show that historically infant mortality rates have been relatively high among teenage mothers, although only a small proportion of total infant deaths in 2010 were babies born to these young women. A downward trend in infant mortality rates in all age groups is seen in Figure 15. Each of these trends is statistically significant at the 95 percent level.

More information about infant mortality can be seen in the infant mortality section of death related statistics in this report.

FIGURE 14
INFANT MORTALITY
BRITISH COLUMBIA, 1986–2010

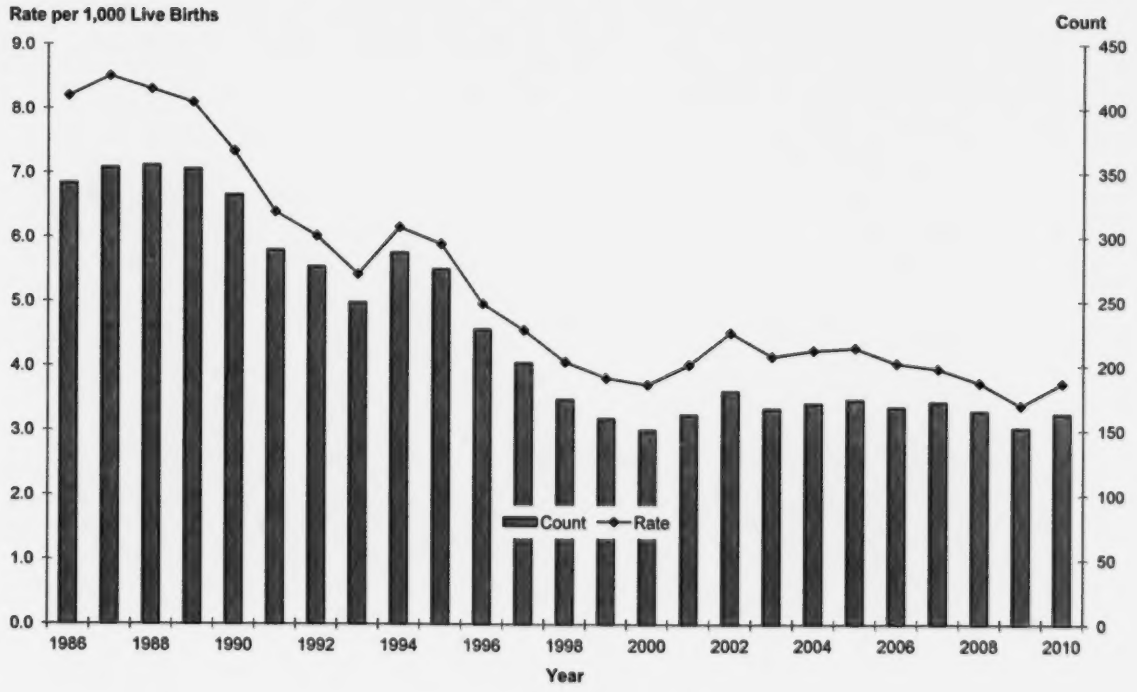


TABLE 5
INFANT MORTALITY
BRITISH COLUMBIA AND CANADA, 1965–2010

Year	British Columbia Age at Death (in Days)									Canada
	0–6 Days		0–27 Days		28–364 Days		N.S.	Total		
	Number	Rate	Number	Rate	Number	Rate		Number	Rate	Rate
1965	415	12.33	453	13.45	227	6.74	3	683	20.29	24.0
1966	435	13.38	494	15.20	263	8.09	4	761	23.41	23.1
1967	429	13.04	470	14.29	218	6.63	1	689	20.94	22.0
1968	375	11.13	438	13.00	214	6.35	4	656	19.47	21.0
1969	329	9.30	374	10.57	199	5.62	-	573	16.19	19.0
1970	369	10.01	416	11.29	193	5.24	2	611	16.58	19.0
1971	409	11.74	450	12.91	185	5.31	-	635	18.22	17.5
1972	322	9.32	373	10.79	195	5.64	1	569	16.46	17.0
1973	317	9.23	363	10.57	185	5.39	3	551	16.04	16.0
1974	310	8.74	348	9.82	196	5.53	2	546	15.40	15.0
1975	278	7.66	321	8.85	169	4.66	1	491	13.53	14.3
1976	292	8.15	324	9.04	152	4.24	2	478	13.33	13.5
1977	246	6.70	276	7.52	200	5.45	-	476	12.97	12.4
1978	245	6.58	286	7.68	178	4.78	-	464	12.46	12.0
1979	196	5.10	239	6.22	167	4.35	-	406	10.56	10.9
1980	188	4.69	235	5.86	186	4.64	-	421	10.50	10.4
1981	232	5.57	259	6.21	140	3.36	3	402	9.65	9.6
1982	217	5.05	251	5.85	150	3.49	-	401	9.34	9.1
1983	193	4.48	212	4.92	145	3.37	2	359	8.34	8.5
1984	184	4.18	205	4.65	150	3.41	1	356	8.08	8.1
1985	180	4.19	198	4.61	133	3.09	-	331	7.70	8.0
1986	164	3.93	195	4.68	147	3.52	-	342	8.20	7.9
1987	158	3.80	194	4.66	160	3.85	-	354	8.51	7.3
1988	191	4.46	220	5.13	136	3.17	-	356	8.31	7.2
1989	186	4.27	215	4.93	138	3.17	-	353	8.10	7.3
1990	183	4.04	221	4.87	112	2.47	-	333	7.34	6.8
1991	140	3.09	164	3.62	126	2.78	-	290	6.40	6.4
1992	153	3.33	173	3.76	104	2.26	-	277	6.02	6.1
1993	121	2.64	139	3.03	110	2.40	-	249	5.42	6.3
1994	175	3.74	198	4.23	90	1.92	-	288	6.15	6.3
1995	158	3.39	181	3.88	94	2.01	-	275	5.89	6.1
1996	133	2.89	160	3.48	68	1.48	-	228	4.96	5.6
1997	125	2.82	146	3.29	56	1.26	-	202	4.55	5.5
1998	94	2.19	114	2.66	60	1.40	-	174	4.06	5.3
1999	87	2.09	108	2.59	51	1.22	-	159	3.81	5.3
2000	84	2.08	105	2.59	45	1.11	-	150	3.71	5.3
2001	103	2.55	126	3.12	36	0.89	-	162	4.01	5.2
2002	98	2.46	126	3.16	54	1.35	-	180	4.51	5.4
2003	104	2.58	120	2.98	47	1.17	-	167	4.14	5.3
2004	108	2.68	122	3.03	49	1.22	-	171	4.24	5.3
2005	104	2.56	124	3.05	50	1.23	-	174	4.28	5.4
2006	83	2.00	118	2.84	50	1.20	-	168	4.04	5.0
2007	98	2.25	114	2.62	58	1.33	-	172	3.96	5.1
2008	87	1.97	107	2.42	58	1.31	-	165	3.74	*
2009	90	2.01	104	2.32	48	1.07	-	152	3.39	*
2010	110	2.52	129	2.95	34	0.78	-	163	3.73	*

Note: Rates per 1,000 live births in the specified year.
N.S. – Not stated.
Above information includes late registrations and amendments.
Canadian rates from Statistics Canada.
*Rates were not available.
Non-residents are excluded.

FIGURE 15
INFANT MORTALITY BY AGE OF MOTHER
BRITISH COLUMBIA, 1986–2010

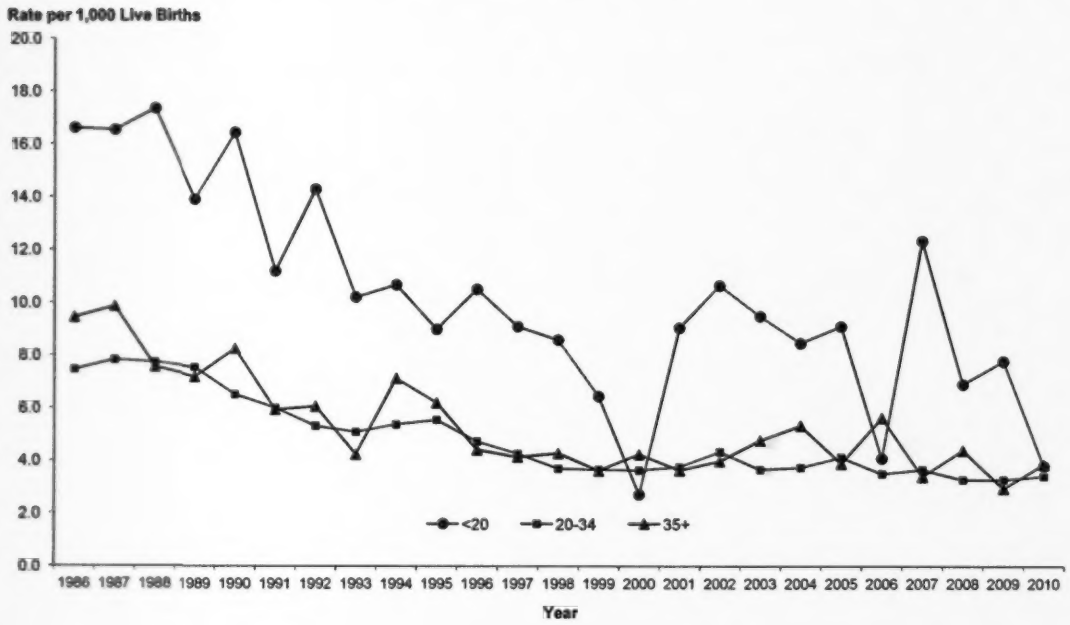
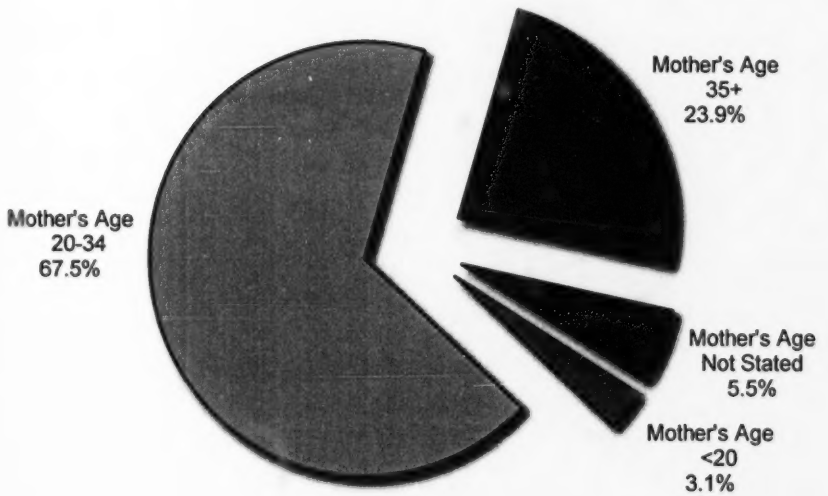


FIGURE 16
PERCENTAGE OF INFANT MORTALITY BY AGE OF MOTHER
BRITISH COLUMBIA, 2010



Death Trends

This section begins with an examination of counts and rates for all causes of death since 1986. This is followed by information on the average age at death, and cause of death trends for malignant neoplasms (cancer), endocrine, nutritional and metabolic diseases, nervous system diseases, cardiovascular diseases, cerebrovascular diseases, and motor vehicle accidents.

All causes are based on the Underlying Cause of Death (UCOD), which is explained in the Glossary. While other causes may have contributed to the death, the underlying cause is defined as the condition or injury that initiated the chain of events leading directly to death.

While Figure 17 shows an increase in the absolute number of deaths from 1986 to 2010, the provincial Age-Standardized Mortality Rate (ASMR) has been on a downward trend since 1986. The trend is not only statistically significant at the 95 percent level, but reached a historic low in 2010.

The rates are quoted per 10,000 population and have been age-standardized to the 1991 Canada census population distribution. See the Glossary for an explanation of ASMR and the Methodology section for an example of the calculation method.

Figure 18 shows that the average age at death among British Columbians has reached an all time high in 2010 at 76.1 years. The trend indicates an increase over the 1986 to 2010 time period, and this trend is statistically significant at the 95 percent level. It should be noted that average age at death is the arithmetic average of the age in years at which people died and is not equivalent to Life Expectancy which is explained in the Glossary.

Figures 19 through 27 refer to selected major causes of death categories. Figures 19, 20, and 21 illustrate trends in cancer death and rates, with death rates expressed as ASMRs.

Figure 19 shows that in the years 1986 to 2010, while the number of deaths due to all types of cancer (malignant neoplasms, ICD-10 codes C00-C97) steadily climbed the ASMR fell. While cancer death incidence climbed, the size of the British Columbian population climbed at an even faster pace.

Figure 20 is a similar graph showing incidence and death rates due to lung cancer (malignant neoplasms of trachea and lung, ICD-10 codes C33-C34). The lung cancer death rate in BC in comparison to all deaths has been falling, while the overall number of lung cancer deaths has increased since 1986.

Figure 21 provides further detail by gender for the lung cancer information shown in Figure 20. The falling trend in lung cancer death rate is being driven by the decline in the rate for men, as there is a gradually increasing trend in the rate of lung cancer deaths among women. The declining trend in lung cancer death rate for men and the increasing trend in the rate for women are both statistically significant at the 95 percent level.

Deaths due to endocrine, nutritional and metabolic diseases in Figure 22 (ICD-10 codes E00-E89) include diseases such as diabetes and cystic fibrosis. A comprehensive list of diseases in this category is provided in Appendix 2 - Detailed Cause of Death by Age and Gender. The death rates and counts for these conditions increased during the period from 2000 to 2005 with a decline between 2006 and 2010.

Diabetes mellitus mortality in 2010, as shown in Figure 23, is 3.1 times that of 1986 in absolute numbers, but the ASMR is only 1.4 times greater over the period. The rate in 2010 has increased slightly over that of 2009.

Deaths due to diseases of the nervous system are shown in Figure 24 and include causes such as Alzheimer's disease, Parkinson's disease, and multiple sclerosis. A comprehensive list of diseases in this category appears in Appendix 2 under ICD-10 codes G00-G99. The number and rate of these deaths increased between 1986 and 2001. From 2001 to 2005, the number levelled off and the rate declined followed by a slight increase for both the number and rate through to 2008. In 2010, while the number of deaths remains consistent, the rate has dropped to the 1994 level. The increasing overall trend from 1986 to 2010 was statistically significant at the 95 percent level.

Figure 25 shows numbers of cardiovascular disease deaths (ICD-10 codes I00-I51) and death rates per 10,000 standard population from 1986 to 2010. While the incidence rose from 1986 to 1996 and then generally declined, the death rate has been steadily falling since 1986. This declining trend is statistically significant at the 95 percent level. See Tables 22 and 23 to compare cardiovascular disease deaths in the context of other causes of death.

Cerebrovascular diseases shown in Figure 26 include ICD-10 codes I60-I69. While the number of people dying from these diseases increased, the standardized rate gradually decreased between 1986 and 2010. This decreasing ASMR trend is statistically significant at the 95 percent level.

In Figure 27, the incidence and death rates for motor vehicle accidents over the period 1986 to 2010 declined. The downward ASMR trend is statistically significant at the 95 percent level. Although motor vehicle deaths have accounted for about 1.3 percent of all deaths (on average since 2000), a substantial share of deaths due to motor vehicle accidents are among young British Columbians, and as such, they remain a concern (See Tables 34 and 35).

Coroner's investigations into "externally caused" deaths can be lengthy, resulting in delays in determining the final causes. For this reason, recent year external cause counts and rates may be underestimated and therefore should be interpreted with caution.

FIGURE 17

DEATHS AND DEATH RATES, ALL CAUSES OF DEATH

BRITISH COLUMBIA, 1986–2010

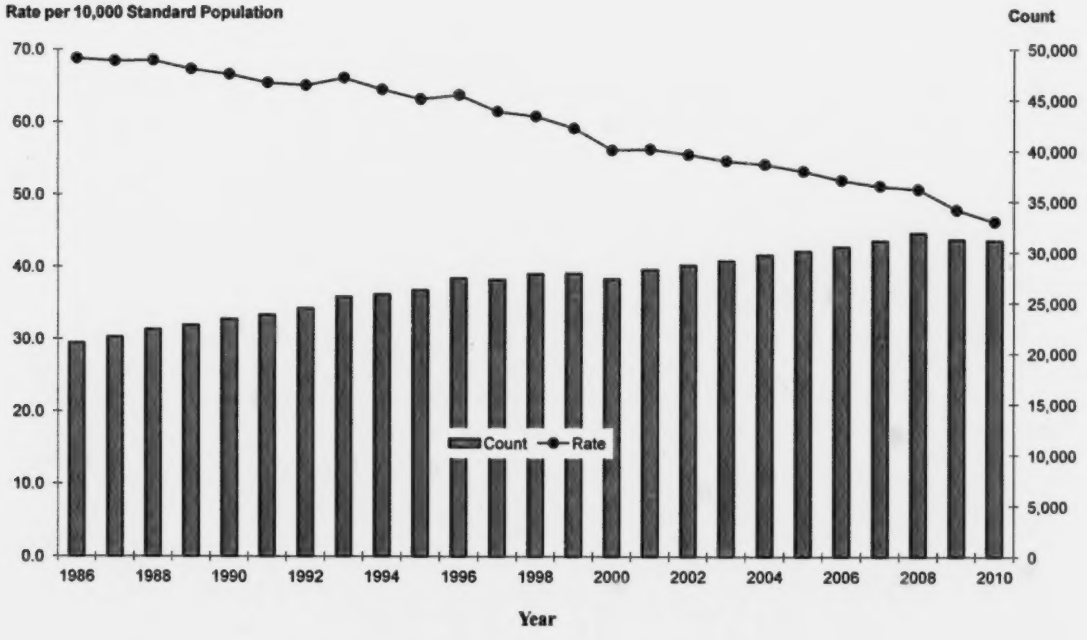
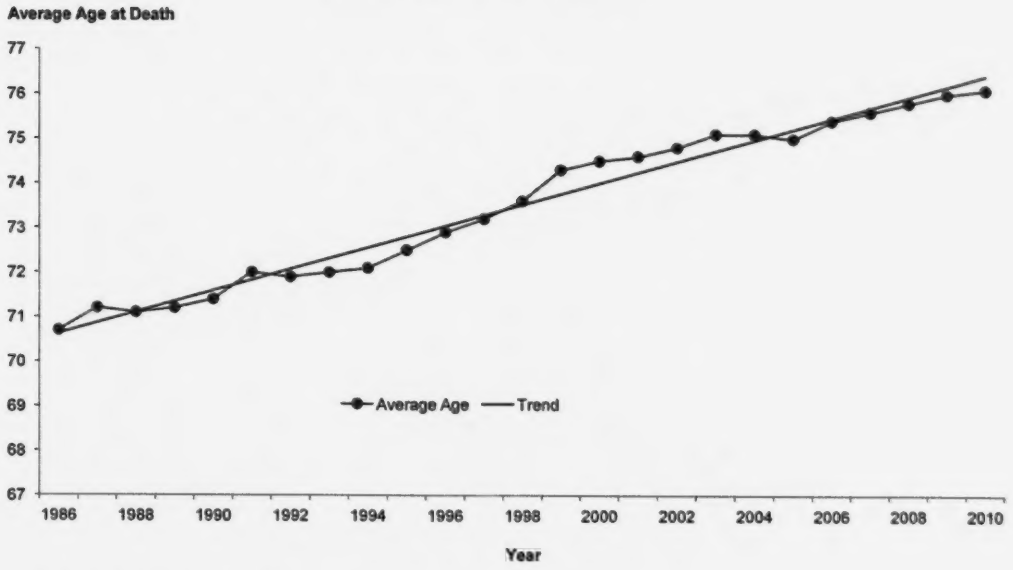


FIGURE 18
AVERAGE AGE AT DEATH
BRITISH COLUMBIA, 1986–2010



Based on 5 year age groups to 85+

FIGURE 19
DEATHS AND DEATH RATES, MALIGNANT NEOPLASMS (CANCER)
BRITISH COLUMBIA, 1986–2010

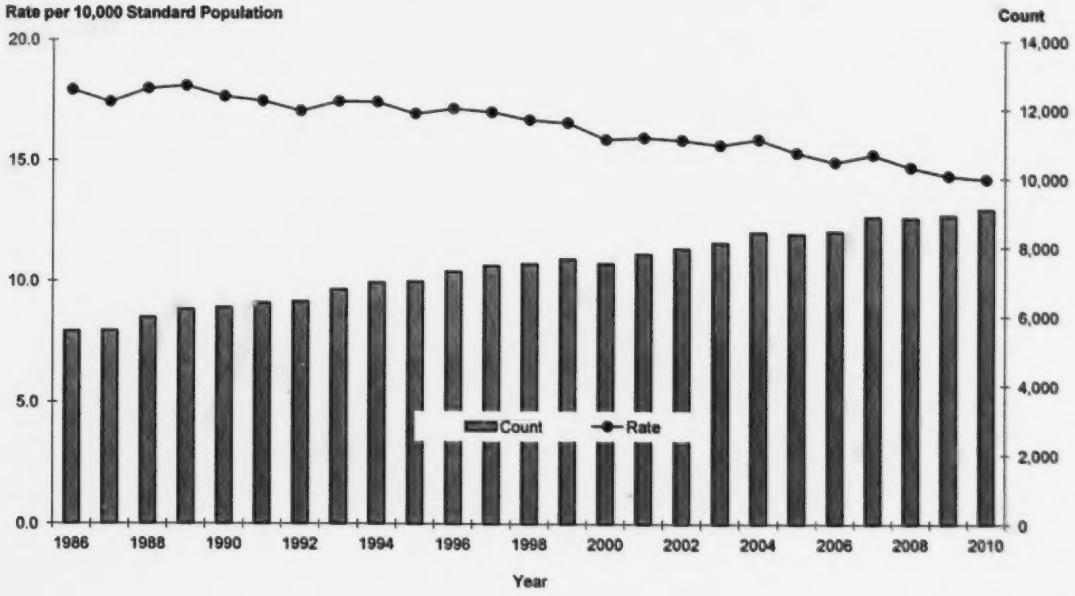


FIGURE 20

DEATHS AND DEATH RATES, MALIGNANT NEOPLASM OF LUNG

BRITISH COLUMBIA, 1986-2010

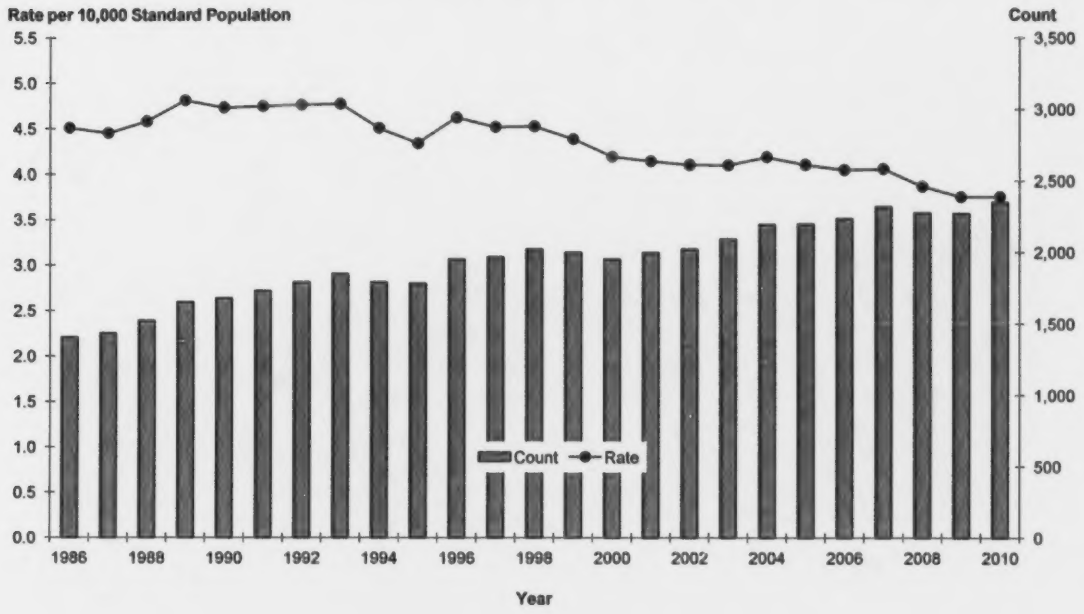


FIGURE 21

DEATH RATES BY GENDER, MALIGNANT NEOPLASM OF LUNG

BRITISH COLUMBIA, 1986-2010

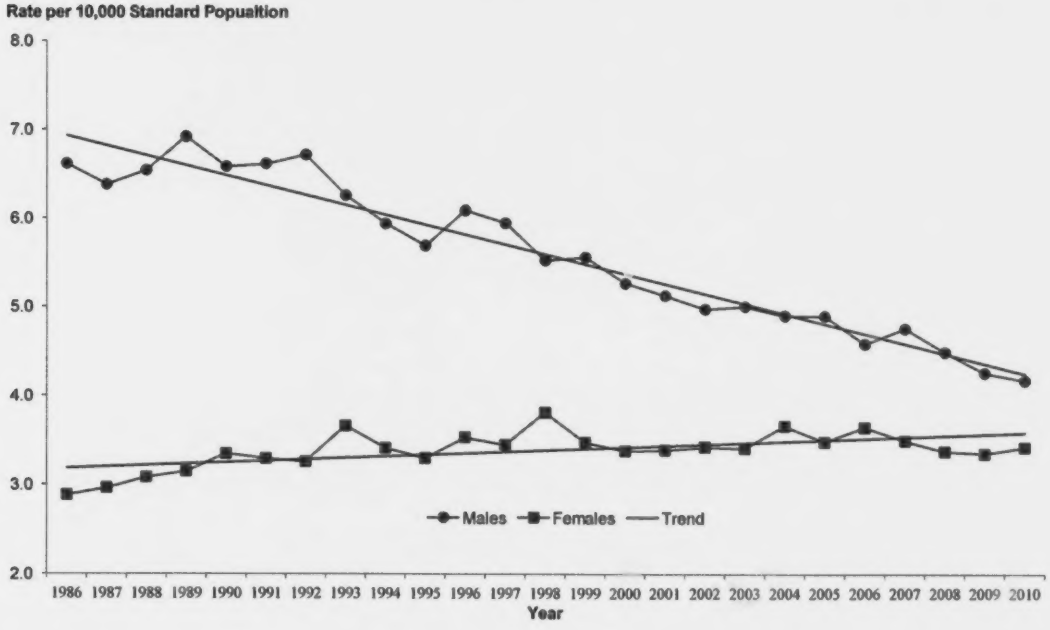


FIGURE 22

DEATHS AND DEATH RATES, ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES

BRITISH COLUMBIA, 1986-2010

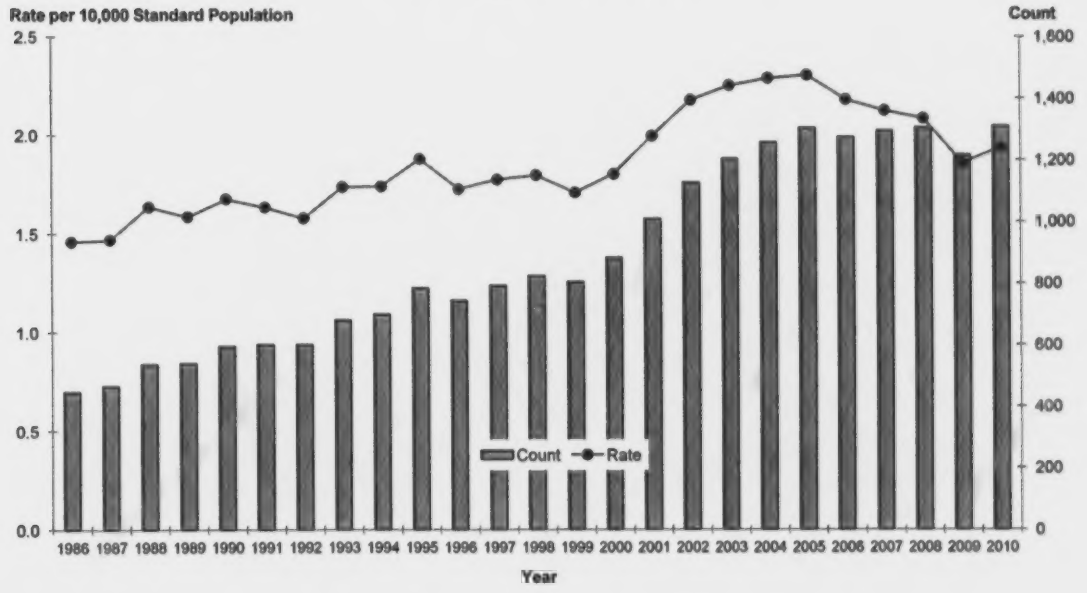


FIGURE 23

DEATHS AND DEATH RATES, DIABETES MELLITUS

BRITISH COLUMBIA, 1986–2010

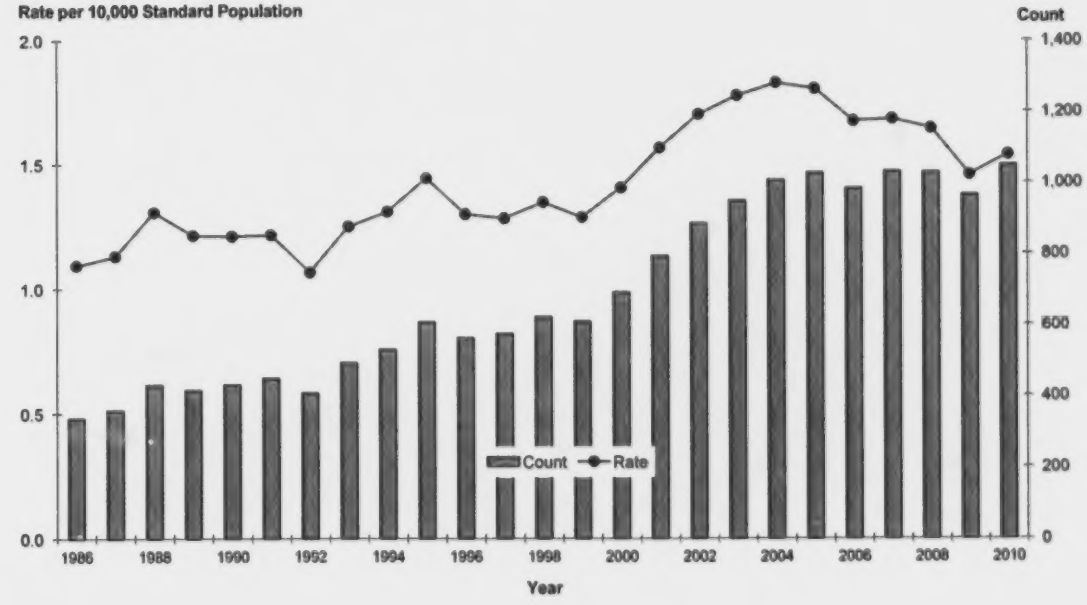


FIGURE 24

DEATHS AND DEATH RATES, NERVOUS SYSTEM DISEASES

BRITISH COLUMBIA, 1986-2010

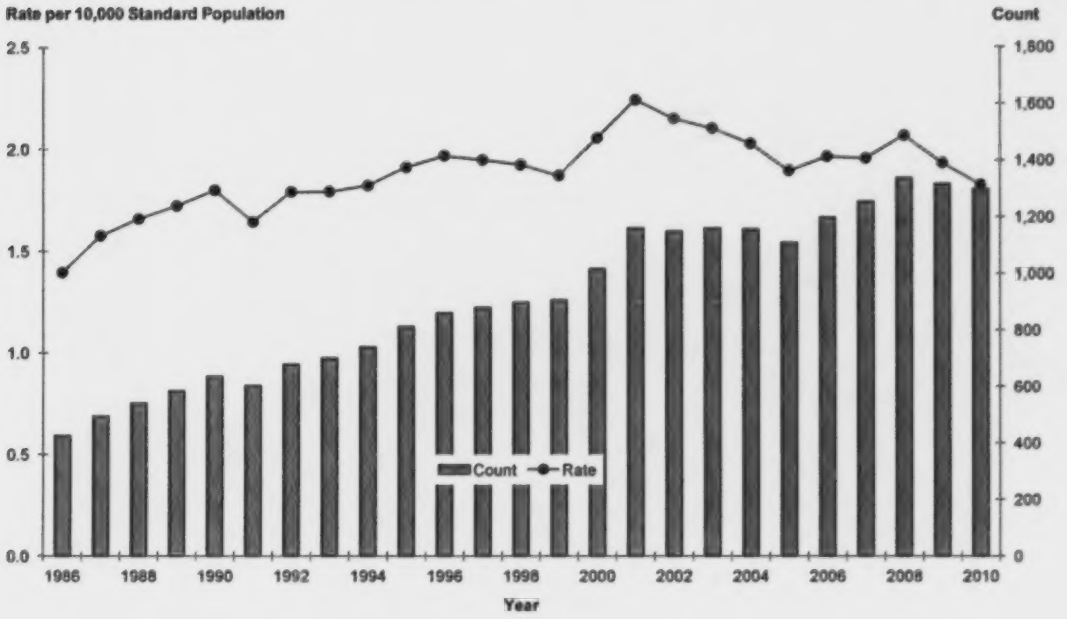


FIGURE 25

DEATHS AND DEATH RATES, CARDIOVASCULAR DISEASE

BRITISH COLUMBIA, 1986-2010

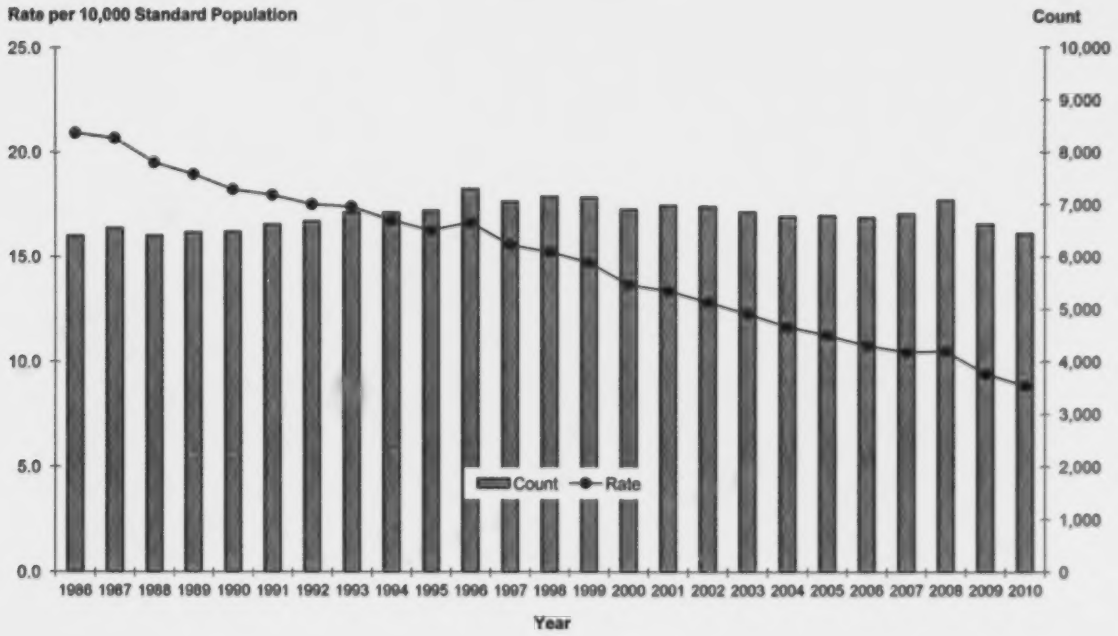


FIGURE 26

DEATHS AND DEATH RATES, CEREBROVASCULAR DISEASES

BRITISH COLUMBIA, 1986-2010

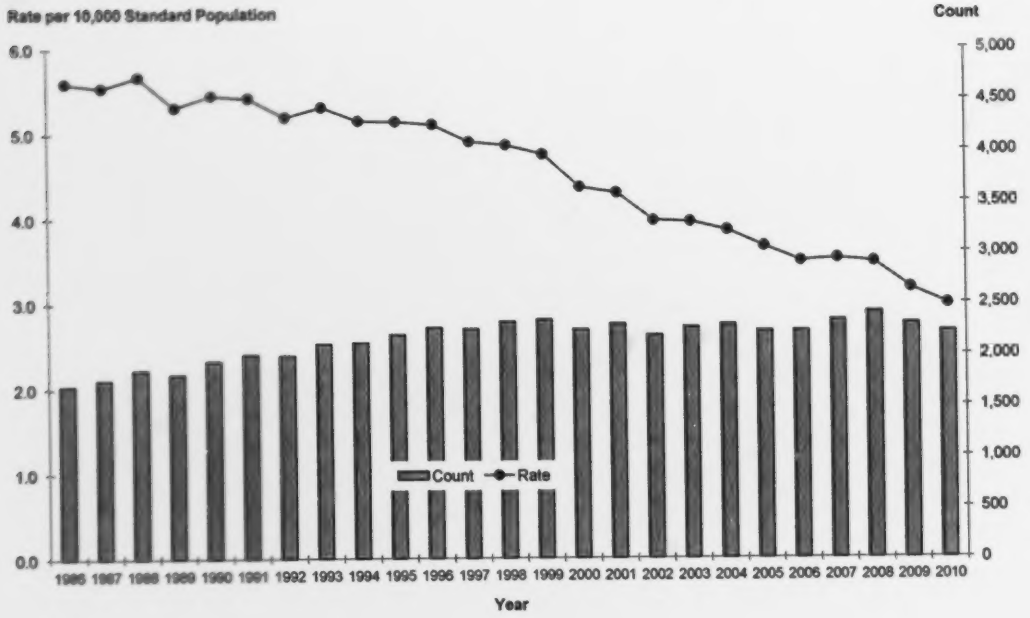
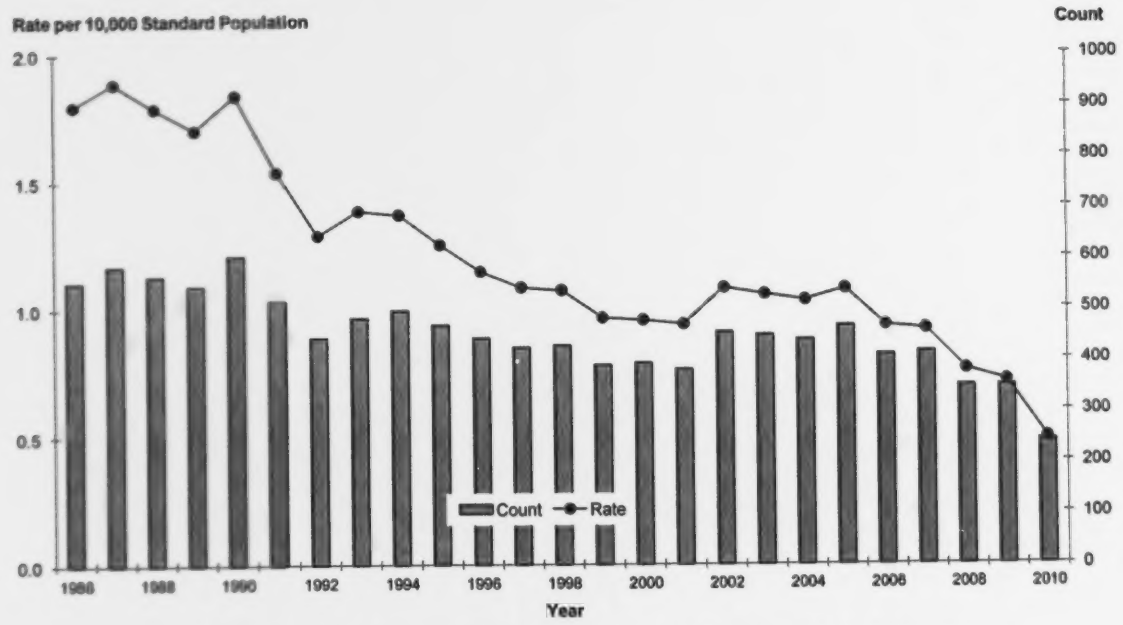


FIGURE 27

DEATHS AND DEATH RATES, MOTOR VEHICLE ACCIDENTS

BRITISH COLUMBIA, 1986–2010



*Note: Coroner's investigations into "externally caused" deaths can be lengthy, resulting in delays in determining the final causes. For this reason, recent year external cause counts and rates may be underestimated and therefore should be interpreted with caution.

Marriage Trends

Table 6 and Figure 28 display the average age at which men and women get married. Between 1977 and 2010, the average age for first marriages increased by 6.5 years for men and by 7.2 years for women.

The average age for all marriages increased from 29.3 years to 35.4 years for men and from 26.2 years to 33.3 years for women over the last 34 years.

Over that same time period, the average age of men marrying tended to be 2 to 3 years older than the average age of women marrying. Generally, the age difference at which men and women marry has been greater for all marriages than for first marriages.

TABLE 6

AGE OF FIRST AND ALL MARRIAGES

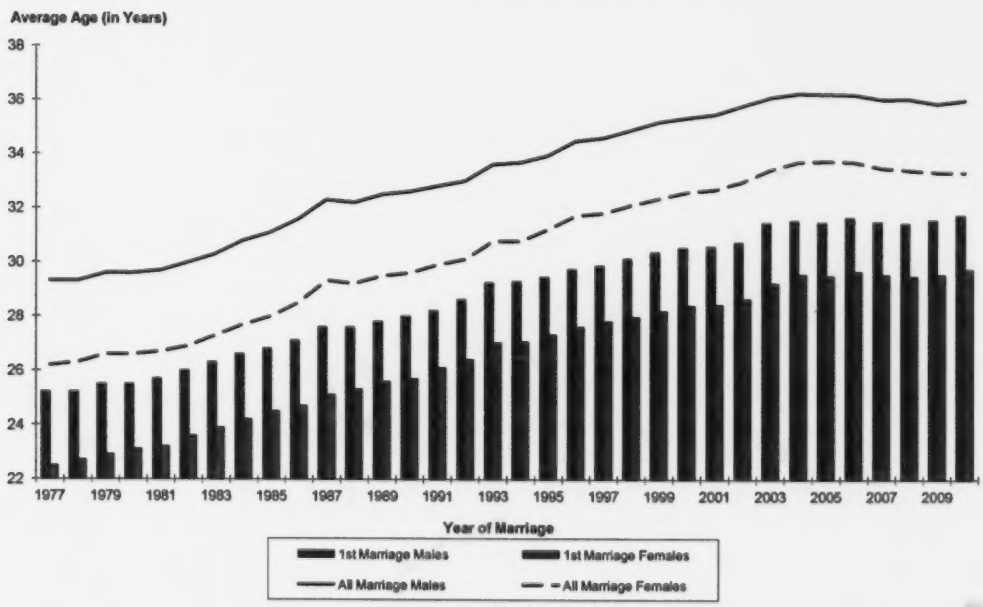
BRITISH COLUMBIA, 1977–2010

Year of Marriage	Average Age (in Years)				Year of Marriage	Average Age (in Years)			
	First Marriage		All Marriages			First Marriage		All Marriages	
	Males	Females	Males	Females		Males	Females	Males	Females
1977	25.2	22.5	29.3	26.2	1994	29.3	27.1	33.7	30.8
1978	25.2	22.7	29.3	26.3	1995	29.4	27.3	33.9	31.2
1979	25.5	22.9	29.6	26.6	1996	29.7	27.6	34.5	31.7
1980	25.5	23.1	29.6	26.6	1997	29.9	27.8	34.6	31.8
1981	25.7	23.2	29.7	26.7	1998	30.1	28.0	34.9	32.1
1982	26.0	23.6	30.0	26.9	1999	30.3	28.2	35.2	32.3
1983	26.3	23.9	30.3	27.3	2000	30.5	28.4	35.3	32.6
1984	26.6	24.2	30.8	27.7	2001	30.6	28.4	35.5	32.7
1985	26.8	24.5	31.1	28.0	2002	30.7	28.6	35.8	33.0
1986	27.1	24.7	31.6	28.5	2003	31.4	29.2	36.1	33.4
1987	27.6	25.1	32.3	29.3	2004	31.5	29.5	36.2	33.7
1988	27.6	25.3	32.2	29.2	2005	31.5	29.5	36.2	33.7
1989	27.8	25.6	32.5	29.5	2006	31.6	29.6	36.2	33.7
1990	28.0	25.7	32.6	29.6	2007	31.5	29.5	36.0	33.5
1991	28.2	26.1	32.8	29.9	2008	31.4	29.5	36.0	33.4
1992	28.6	26.4	33.0	30.1	2009	31.5	29.5	35.9	33.3
1993	29.2	27.0	33.6	30.8	2010	31.7	29.7	36.0	33.3

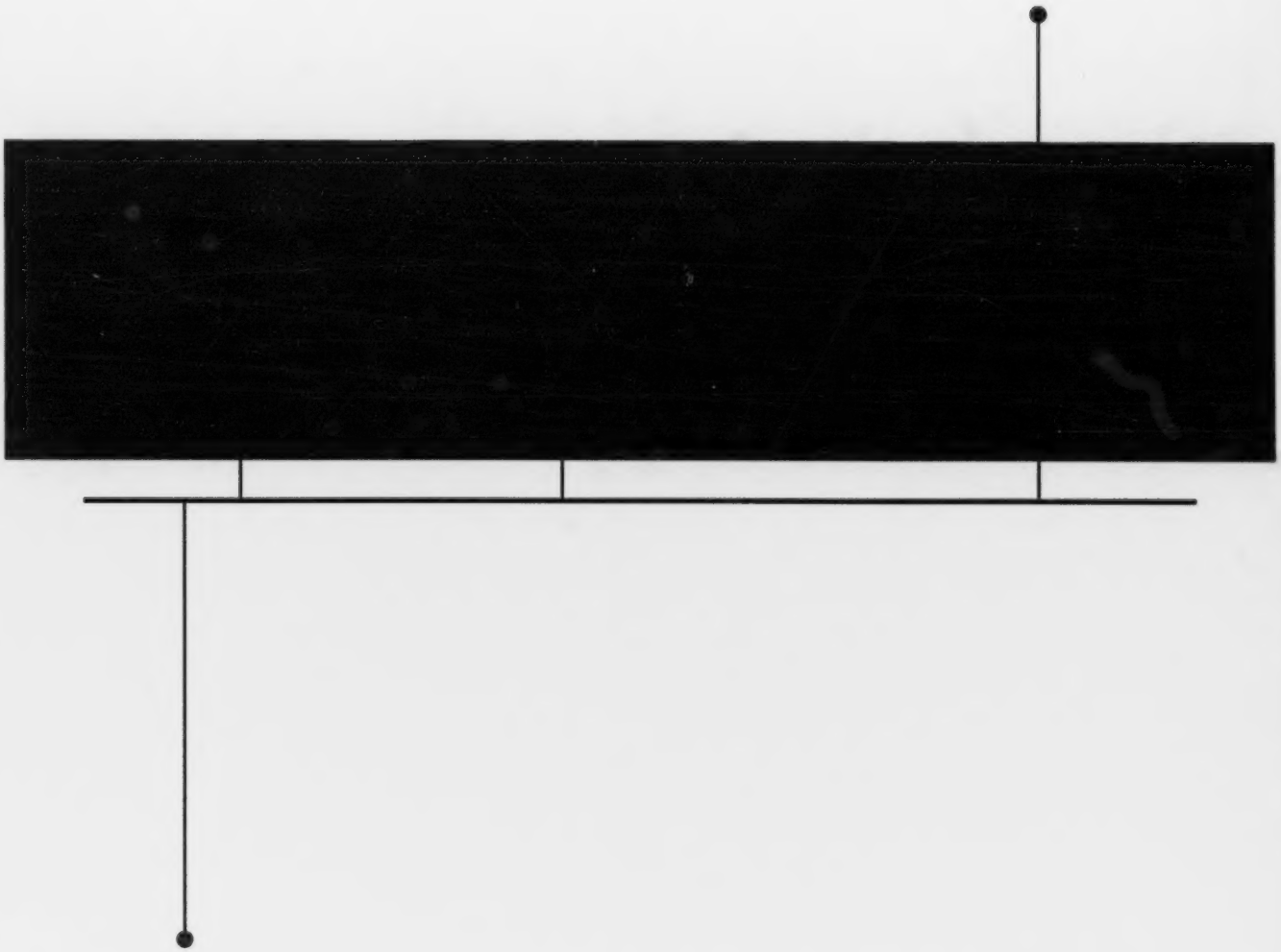
FIGURE 28

AGE OF FIRST AND ALL MARRIAGES

BRITISH COLUMBIA, 1977–2010



Birth-related Statistics



Birth Introduction

Statistics based on birth events form a critical part of the demographic profile of communities, regions, provinces, and countries. They are used to derive important indicators of health status, fertility, infant mortality, and population growth. In turn, those indicators are used for health planning, policy formulation, research, and commerce. The tables in this part of the report present birth statistics categorized by maternal characteristics and other related measures. The tables refer only to live births except Table 7 which also includes stillbirths. The mother's usual residence is used to identify geographic location.

Births – General Indicators

Certain birth and parental characteristics that are presented in this section have been shown to be related to the infant's health status or are of general interest. These characteristics include age of mother, age of father, kind of birth (single, twin, or multiple), LHA of usual residence, and mode of delivery.

Table 7 shows the live birth order by mother's age. About 82.2 percent of live births in 2010 were first or second births. Second, third, and subsequent live births tend to have been delivered to progressively older women.

Table 8 shows the number of live births in BC in 2010 by the age of mother and the age of father. It also shows, for each maternal age range, the number of infants born to couples who were not formally married to each other (Out-of-Wedlock).

Over half of the births (51.3 percent) in 2010 were to mothers 30 to 39 years old and 41.2 percent were to mothers in their 20s. Only 3.0 percent were to mothers less than 20 years old and 4.4 percent to those 40 or older. For fathers, over half (52.9 percent) were in their 30s, more than a quarter (27.1 percent) were in their 20s, 14.3 percent were in their 40s or older, and 0.9 percent were less than 20 years old. In 4.7 percent of births, the father's age was not indicated.

Less than one percent (0.8 percent) of births (330) were to couples who were both in their teens; births to couples in which at least one person was a teen, made up 3.2 percent (1,395) of births.

While there were only 110 births (0.3 percent) to mothers age 45 years old and over, 4.6 percent (1,992) of all newborns had fathers in that age group.

Table 9 shows the number of births by birth kind (single, twin, triplet+) according to the mother's age group. In 2010, 5.1 percent of live births to mothers 35 years and older were multiple births, whereas 2.7 percent of live births to mothers aged 20 to 34 were multiples. Teenagers had the lowest proportion of multiple births.

In recent decades there has been a gradual increase in multiple birth rates in BC (see Figure 8). The proportions of multiple live births increased from 1.9 percent of all live births in 1986 to 3.2 percent in 2010.

Table 10 shows the 2010 fertility rates in the LHA where the mother resided and by maternal age groups. The table also shows the number of live births to women 15-19 years of age over the five-year period 2005-2009 and the fertility rate for that age group.

In Figure 29 the Age Specific Fertility Rate (ASFR) statistics for 15-19 year olds for the five-year period 2005-2009 are shown by LHA. The ASFR is described more fully in the Glossary and an example of the calculation method is shown in the Methodology section.

Table 11 shows the number and percentage of births in each maternal age group according to their mode of delivery. Generally, the proportion of births that were spontaneous vertex deliveries (which generally require no medical intervention), and to a lesser extent births assisted by vacuum extraction, are higher for younger mothers. On the other hand, deliveries by cesarean section are proportionally higher for older mothers (see also Figure 13).

Cesarean section deliveries in BC increased from 209.59 per 1,000 live births in 1986 to 313.65 per 1,000 live births in 2010 (see Figure 11).

Table 12 shows live births by the LHA where the mother usually resided and focuses on spontaneous vertex and cesarean section modes of delivery. Spontaneous breech, forceps, and vacuum deliveries are combined into the 'Other' category. The table shows the number and percent of live births that were delivered by cesarean section.

The columns on the right side of the table indicate the total number of live births in 2010 to residents of each LHA and the birth rate per 1,000 population. The LHA with the highest live birth rate was more than four times the rate of the lowest. For more comparisons of cesarean section delivery rates, see also Figures 11, 12, and 13.

In Figure 30, the LHAs are grouped by their ratio of observed number of cesarean live births over expected number of cesarean live births for 2010. The figure shows the LHAs in quintiles from those with the highest cesarean ratios (quintile 5) to those with the lowest such rates (quintile 1).

Vital Statistics Information Box

Births by Mother's Place of Birth

British Columbia, 2010

Area	Province/Country	Births
Canada	**Total**	**29,214**
	British Columbia	21,265
	Alberta	2,576
	Ontario	2,525
	Manitoba	776
	Saskatchewan	770
	Quebec	575
	Nova Scotia	251
	Newfoundland & Labrador	174
	New Brunswick	155
	Yukon	65
	Northwest Territories	48
	Prince Edward Island	32
	Nunavut	2
North and Central America	**Total**	**1,204**
	United States	659
	Mexico	267
	Other North and Central American Countries	278
South America		**302**
Europe	**Total**	**2,116**
	United Kingdom	607
	Germany	210
	Russia	167
	Romania	153
	Poland	126
	Ukraine	110
	Netherlands	71
	Slovakia	60
	France	52
	Scandinavian Countries	49
	Other European Countries	511
Asia and the Middle East	**Total**	**9,580**
	India	2,736
	China	2,281
	Philippines	1,414
	Korea South	468
	Japan	330
	Taiwan	289
	Vietnam	440
	Iran	274
	Hong Kong	249
	Pakistan	208
	Afghanistan	111
	Other Asian and Middle Eastern Countries	780
Africa	**Total**	**550**
	South Africa	151
	Other African Countries	399
Oceania	**Total**	**425**
	Fiji	219
	Australia	132
	New Zealand	66
	Other Oceanic Countries	8
Unknown	**Total**	**276**
Total		**43,667**

Note: Births consist of live births only. Non-residents are excluded.

TABLE 7
BIRTHS BY AGE OF MOTHER AND LIVE BIRTHS BY BIRTH ORDER
BRITISH COLUMBIA, 2010

Age of Mother	Birth Order										Total Live Births	Stillbirths	Total Births
	1	2	3	4	5	6	7	8	9+	N.S.			
<14	2	-	-	-	-	-	-	-	-	-	2	-	2
14	11	2	-	-	-	-	-	-	-	-	13	-	13
15	38	-	-	-	-	-	-	-	-	-	38	4	42
16	112	2	-	-	-	-	-	-	-	-	114	3	117
17	188	19	-	-	-	-	-	-	-	-	207	7	214
18	337	48	1	-	-	-	-	-	-	-	386	8	394
19	454	89	8	3	-	-	-	-	-	-	554	9	563
20	577	170	27	3	-	-	-	-	-	-	777	18	795
21	643	234	49	8	1	-	-	-	-	-	935	10	945
22	685	317	72	13	1	-	-	-	-	-	1,088	12	1,100
23	782	410	115	21	5	-	-	-	-	-	1,333	11	1,344
24	911	535	143	32	9	3	1	-	-	-	1,634	23	1,657
25	980	623	198	58	15	2	-	-	-	-	1,876	21	1,897
26	1,185	669	204	64	10	5	3	1	-	-	2,141	20	2,161
27	1,366	790	233	71	16	6	4	-	-	-	2,486	26	2,512
28	1,441	913	286	91	22	16	2	1	-	-	2,772	26	2,798
29	1,482	1,000	333	112	28	9	5	1	-	-	3,970	19	2,989
30	1,444	1,090	357	100	25	21	4	3	1	-	3,045	24	3,069
31	1,392	1,089	380	112	34	11	6	3	2	-	3,029	23	3,052
32	1,201	1,109	435	122	39	15	8	-	2	-	2,931	26	2,957
33	1,083	1,118	360	104	37	9	10	2	2	-	2,725	26	2,751
34	888	1,074	362	107	35	8	7	1	5	-	2,487	20	2,507
35	818	962	373	100	27	13	11	3	2	-	2,309	22	2,331
36	634	797	306	106	26	10	6	4	2	-	1,891	16	1,907
37	493	710	293	110	46	14	6	4	3	-	1,679	20	1,699
38	392	532	208	79	20	7	7	4	4	-	1,253	9	1,262
39	320	448	170	81	31	10	6	3	1	-	1,070	19	1,089
40	216	292	140	58	18	12	4	-	3	-	743	9	752
41	153	184	91	39	16	3	7	4	6	-	503	11	514
42	74	119	52	28	5	4	-	3	3	-	288	7	295
43	41	64	35	9	10	2	-	1	1	-	1673	2	165
44	36	46	20	4	3	2	1	2	1	-	115	4	119
45+	37	38	17	9	2	1	1	2	3	-	110	2	112
TOTAL	**20,416**	**15,493**	**5,268**	**1,644**	**481**	**183**	**99**	**42**	**41**	**-**	**43,667**	**457**	**44,124**
PERCENT	**46.8**	**35.5**	**12.1**	**3.8**	**1.1**	**0.4**	**0.2**	**0.1**	**0.1**	**-**	**100.0**		

Note: Birth order denotes the number of live births. Total includes unknown gender. Non-residents are excluded. N.S. – Not stated.

TABLE 8
TOTAL LIVE BIRTHS BY AGE OF FATHER, AGE OF MOTHER AND OUT-OF-WEDLOCK
BRITISH COLUMBIA, 2010

Age of Father	Age of Mother (in Years)									Total	Percent
	<15	15–19	20–24	25–29	30–34	35–39	40–44	45+	N.S.		
< 15	-	1	-	-	-	-	-	-	-	1	0.0
15-19	4	325	71	9	1	-	-	-	-	410	0.9
20-24	2	504	1,806	432	80	27	4	-	-	2,855	6.5
25-29	1	163	2,229	5,099	1,252	206	26	-	-	8,976	20.6
30-34	-	28	794	4,340	6,633	1,273	119	3	-	13,190	30.2
35-39	-	6	220	1,335	4,299	3,672	380	10	-	9,922	22.7
40-44	-	2	65	357	1,153	1,941	704	29	-	4,251	9.7
45+	-	4	48	159	415	817	491	58	-	1,992	4.6
N.S.	8	266	534	514	384	266	88	10	-	2,070	4.7
TOTAL	**15**	**1,299**	**5,767**	**12,245**	**14,217**	**8,202**	**1,812**	**110**	**-**	**43,667**	
Percent	**0.0**	**3.0**	**13.2**	**28.0**	**32.6**	**18.8**	**4.1**	**0.3**			**100.0**
Out-of-Wedlock	**13**	**1,152**	**3,427**	**3,442**	**2,512**	**1,431**	**397**	**23**	**-**	**12,397**	

Note: Total percentage may not add up to 100 due to rounding.
Out-of-Wedlock - Indicates mother and father of child were not legally married to each other and excludes 741 cases where marital status was not stated.
Non-residents are excluded. N.S. – Not stated.

TABLE 9
LIVE BIRTHS BY AGE OF MOTHER AND KIND OF BIRTH
BRITISH COLUMBIA, 2010

Age of Mother	Kind of Birth				Total
	Single	Twin	Triplets+	N.S.	
< 15	13	2	-	-	15
15-19	1,277	22	-	-	1,299
20-24	5,652	115	-	-	5,767
25-29	11,956	279	10	-	12,245
30-34	13,766	448	3	-	14,217
35-39	7,827	375	-	-	8,202
40-44	1,705	106	1	-	1,812
45 +	78	32	-	-	110
N.S.	-	-	-	-	-
TOTAL	**42,274**	**1,379**	**14**	**-**	**43,667**

Note: For the multiple births that include stillbirths, only live births are shown. Triplets+ : included in this column are the live births from multiple births of three or more. Non-residents areexcluded.
N.S.- Not stated.

Table 10

LIVE BIRTH FERTILITY RATES BY LOCAL HEALTH AREA, BRITISH COLUMBIA, 2005–2009 AND 2010

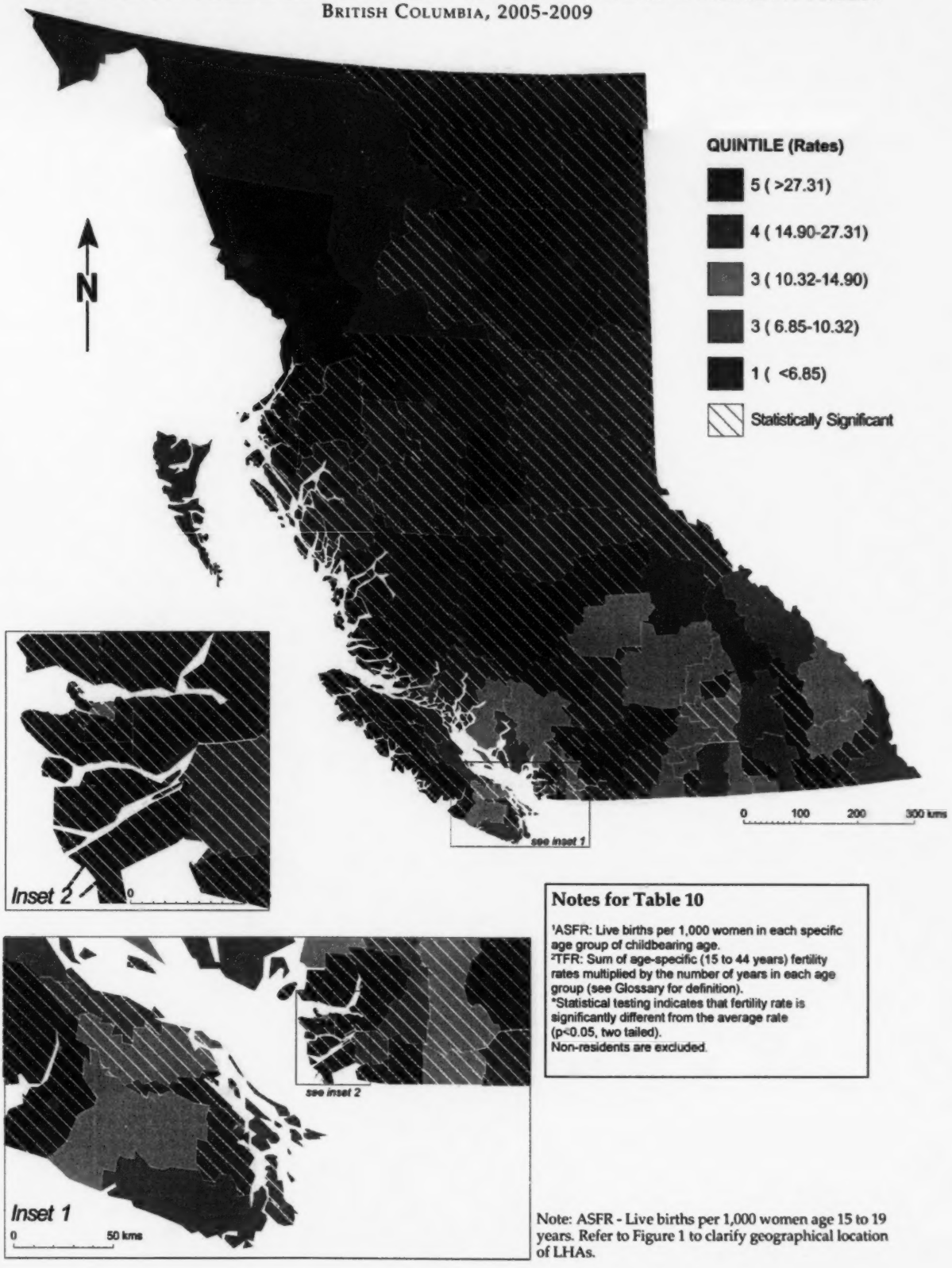
Local Health Area		2005–2009 Teenage Fertility Rate (15–19 yrs)			2010 ASFR[1]						TFR[2]	
		Observed	ASFR[1]	(p)	15–19	20–24	25–29	30–34	35–39	40–44	Rate	(p)
001	Fernie	24	10.06		10.87	56.42	99.50	94.07	40.08	4.07	1,525.10	
002	Cranbrook	92	21.65	*	9.74	52.34	147.80	103.60	42.27	10.01	1,828.83	*
003	Kimberley	14	11.44		17.24	88.61	160.43	94.65	34.48	3.50	1,994.53	*
004	Windermere	17	11.10		2.72	48.78	90.91	68.05	38.69	11.63	1,303.90	
005	Creston	59	29.96	*	18.04	62.35	143.94	65.90	26.06	12.08	1,646.86	
006	Kootenay Lake	1	1.88	*	9.62	26.09	192.98	103.09	64.75	-	1,982.63	
007	Nelson	36	8.95		5.13	18.78	95.03	90.43	47.09	22.54	1,394.98	
009	Castlegar	6	2.92	*	9.11	41.86	107.34	120.23	27.60	8.40	1,572.78	
010	Arrow Lakes	5	8.49		-	50.51	164.38	49.02	32.79	13.89	1,552.92	
011	Trail	41	12.41		7.78	51.59	118.03	87.76	61.78	11.09	1,690.12	*
012	Grand Forks	16	13.19		4.07	18.95	95.51	82.42	33.02	3.86	1,179.09	
013	Kettle Valley	4	9.66		-	-	140.35	73.17	64.52	19.80	1,489.20	
014	Southern Okanagan	40	16.51	*	12.55	63.94	152.34	67.16	37.36	6.15	1,697.55	
015	Penticton	76	12.80		12.24	59.95	93.27	81.67	39.05	7.36	1,467.71	
016	Keremeos	10	14.53		20.69	102.27	179.10	68.63	27.03	30.08	2,138.98	*
017	Princeton	16	24.17	*	28.78	164.56	184.62	131.58	33.06	6.58	2,745.83	*
018	Golden	10	9.26		4.59	46.61	62.27	112.84	56.52	16.39	1,496.12	
019	Revelstoke	22	16.47		4.26	71.70	100.42	149.12	50.98	3.82	1,901.46	*
020	Salmon Arm	68	12.38		10.91	70.26	118.40	77.13	42.29	6.76	1,628.72	*
021	Armstrong - Spallumcheen	17	10.32		14.49	66.01	192.12	102.13	52.00	3.56	2,151.52	*
022	Vernon	133	12.74	*	14.68	49.11	150.59	97.53	39.78	6.93	1,793.17	*
023	Central Okanagan	284	10.42		10.10	45.95	83.83	101.87	43.53	7.17	1,462.26	
024	Kamloops	211	11.67		14.37	51.11	98.86	95.14	38.25	7.66	1,526.95	*
025	100 Mile House	31	12.82		4.26	46.65	124.11	34.84	40.54	-	1,252.07	
026	North Thompson	12	15.40		19.23	62.50	97.09	125.00	24.59	-	1,842.04	
027	Cariboo - Chilcotin	132	27.87	*	27.69	57.35	99.64	95.67	39.68	1.11	1,605.70	
028	Quesnel	113	26.85	*	18.16	69.91	136.74	75.27	32.76	2.42	1,676.30	*
029	Lillooet	23	31.77	*	43.80	65.36	125.00	74.07	34.72	18.02	1,804.85	
030	South Cariboo	32	25.70	*	7.97	103.90	118.28	57.80	43.17	17.39	1,742.52	
031	Merritt	61	30.14	*	24.75	79.79	114.48	72.78	11.76	13.12	1,583.45	
032	Hope	40	31.23	*	7.87	57.69	81.97	116.02	35.53	3.94	1,515.13	
033	Chilliwack	268	19.37	*	19.48	83.77	138.18	90.98	37.58	6.89	1,884.38	*
034	Abbotsford	280	12.31	*	12.46	60.01	115.88	95.95	42.12	8.76	1,675.88	*
035	Langley	153	6.71	*	7.13	38.14	104.10	119.77	46.67	9.38	1,625.97	*
037	Delta	59	3.24	*	1.74	19.27	82.41	128.80	70.75	9.52	1,562.48	*
038	Richmond	57	1.84	*	1.65	10.11	56.11	96.57	59.25	11.61	1,176.49	*
040	New Westminster	65	8.39		5.51	23.94	51.83	87.25	72.31	15.27	1,280.50	*
041	Burnaby	128	4.08	*	4.12	18.97	47.40	94.20	64.73	13.60	1,215.04	*
042	Maple Ridge	111	6.99	*	5.60	35.30	118.41	115.12	43.53	7.64	1,628.01	*
043	Coquitlam	129	3.48	*	3.05	16.91	63.22	120.90	67.52	12.16	1,418.83	
044	North Vancouver	48	2.16	*	2.69	9.71	39.64	114.72	78.66	14.56	1,299.90	*
045	West Vancouver-Bowen Isl.	28	2.92	*	0.96	6.91	44.18	135.10	69.28	12.48	1,344.51	
046	Sunshine Coast	45	10.04		10.84	52.63	149.73	136.86	44.62	8.96	2,018.26	*
047	Powell River	36	11.96		12.97	42.79	106.22	100.00	54.69	4.72	1,606.92	
048	Howe Sound	59	12.53		12.38	45.58	64.36	99.77	77.30	13.49	1,564.40	*
049	Bella Coola Valley	34	65.64	*	86.42	73.39	178.57	95.24	68.18	-	2,509.03	*
050	Queen Charlotte	14	19.72		7.87	130.08	56.45	41.67	70.92	-	1,534.98	
051	Snow Country	2	27.78		-	-	-	-	-	-	-	
052	Prince Rupert	104	35.06	*	34.99	92.15	135.55	139.94	61.26	18.07	2,409.85	*
053	Upper Skeena	41	34.60	*	48.25	83.77	82.19	105.26	42.68	11.24	1,866.95	
054	Smithers	71	22.11	*	22.19	80.84	153.66	151.93	55.45	17.05	2,405.59	*
055	Burns Lake	32	21.21	*	20.13	78.95	91.84	45.92	32.86	-	1,348.50	
056	Nechako	103	37.16	*	37.88	156.78	195.12	90.15	51.34	10.14	2,707.04	*
057	Prince George	353	20.55	*	18.35	63.28	95.86	104.58	37.34	4.42	1,619.13	*
059	Peace River South	129	25.92	*	24.88	83.92	128.57	87.61	20.99	3.25	1,746.11	*
060	Peace River North	202	32.83	*	27.05	129.18	143.25	92.80	43.27	8.24	2,218.95	*
061	Greater Victoria	232	7.79	*	7.72	20.64	40.42	84.20	59.54	13.42	1,129.67	*
062	Sooke	95	8.86		11.81	65.75	125.44	101.94	41.94	7.59	1,772.39	*
063	Saanich	72	7.08	*	7.68	20.53	90.39	130.68	62.05	10.08	1,607.02	*
064	Gulf Islands	14	7.34		7.77	31.88	125.00	102.31	61.01	7.69	1,678.33	
065	Cowichan	192	18.46	*	19.79	58.15	119.59	93.46	44.09	6.32	1,706.96	*
066	Lake Cowichan	14	13.54		8.44	31.58	53.69	64.52	18.40	10.64	936.34	*
067	Ladysmith	50	18.09	*	23.39	66.27	114.11	84.75	31.18	3.35	1,615.21	
068	Nanaimo	215	13.25	*	11.42	50.82	91.34	95.40	43.81	6.65	1,497.14	
069	Qualicum	41	7.23	*	5.94	40.47	134.38	90.91	50.96	9.09	1,658.71	*
070	Alberni	158	31.02	*	39.34	85.60	108.41	81.45	38.89	5.39	1,795.34	*
071	Courtenay	104	10.28		8.66	49.59	144.35	96.70	45.12	5.68	1,750.46	*
072	Campbell River	130	18.74	*	15.82	64.22	106.86	85.28	36.92	8.25	1,586.70	*
075	Mission	105	13.89	*	11.24	54.89	122.30	98.15	48.06	9.38	1,720.10	*
076	Agassiz - Harrison	48	34.78	*	25.48	106.72	96.49	74.07	26.52	7.55	1,684.12	
077	Summerland	21	10.40		2.63	39.63	169.93	74.77	42.64	6.25	1,679.26	
078	Enderby	24	18.49	*	19.53	55.56	173.18	94.94	35.29	9.48	1,939.90	*
080	Kitimat	42	21.28	*	28.49	50.30	120.00	59.26	10.03	18.62	1,433.48	
081	Fort Nelson	48	47.62	*	58.20	123.81	97.40	43.62	30.89	8.89	1,814.07	*
083	Central Coast	16	49.08	*	45.45	76.92	129.63	78.43	51.28	-	1,908.60	
084	Vancouver Island West	19	51.91	*	35.71	117.65	108.70	45.45	37.74	21.51	1,833.76	
085	Vancouver Island North	94	42.04	*	24.88	101.01	133.12	114.80	35.19	2.60	2,057.97	*
087	Stikine	2	15.27		-	76.92	52.63	60.61	-	-	950.80	
088	Terrace	128	31.92	*	18.20	78.56	114.29	117.22	42.04	7.92	1,891.13	*
092	Nisga'a	36	84.71	*	62.50	145.16	245.61	118.64	58.82	15.15	3,229.47	*
094	Telegraph Creek	5	30.67		-	114.29	210.53	111.11	52.63	-	2,442.77	
161	Vancouver - City Centre	23	4.04	*	0.97	9.48	18.68	50.87	50.01	16.74	733.74	*
162	Vancouver - Dwtn E.side	68	13.63	*	10.07	21.81	34.59	52.93	46.35	9.23	874.91	*
163	Vancouver - North East	84	5.94	*	5.05	18.76	54.43	90.34	67.80	17.55	1,269.65	*
164	Vancouver - Westside	24	1.24	*	0.23	4.27	25.20	75.92	71.31	16.86	968.99	*
165	Vancouver - Midtown	48	5.17	*	3.48	13.05	36.10	79.23	70.59	15.80	1,091.26	*
166	Vancouver - South	105	5.13	*	3.55	19.23	52.69	81.87	60.37	14.56	1,161.34	*
201	Surrey	563	9.14	*	9.68	47.15	113.69	113.50	55.13	12.22	1,756.90	*
202	South Surrey/White Rock	30	2.41	*	4.24	18.26	82.98	148.39	63.39	14.35	1,658.12	*
	PROVINCIAL TOTAL	**7,052**	**10.32**		**9.45**	**36.91**	**76.48**	**95.26**	**54.16**	**11.04**	**1,416.51**	

Notes for this table follow the map.

FIGURE 29

LIVE BIRTH TEENAGE FERTILITY RATES BY LOCAL HEALTH AREA

BRITISH COLUMBIA, 2005-2009



Notes for Table 10

[1]ASFR: Live births per 1,000 women in each specific age group of childbearing age.
[2]TFR: Sum of age-specific (15 to 44 years) fertility rates multiplied by the number of years in each age group (see Glossary for definition).
*Statistical testing indicates that fertility rate is significantly different from the average rate ($p<0.05$, two tailed).
Non-residents are excluded.

Note: ASFR - Live births per 1,000 women age 15 to 19 years. Refer to Figure 1 to clarify geographical location of LHAs.

TABLE 11
LIVE BIRTHS BY MODE OF DELIVERY AND AGE OF MOTHER
BRITISH COLUMBIA, 2010

Mode of Delivery	Age of Mother (in Years)									Total
	<15	15–19	20–24	25–29	30–34	35–39	40–44	45+	N.S.	
Spontaneous vertex	10	944	3,814	7,445	8,139	4,286	831	32	-	25,501
Percent	66.7	72.7	66.1	60.8	57.2	52.3	45.9	29.1		58.4
Spontaneous breech	-	6	14	36	46	35	11	-	-	148
Percent	0.0	0.5	0.2	0.3	0.3	0.4	0.6	0.0		0.3
Forceps	1	30	149	412	485	244	49	4	-	1,374
Percent	6.7	2.3	2.6	3.4	3.4	3.0	2.7	3.6		3.1
Vacuum	2	93	443	931	918	453	106	2	-	2,948
Percent	13.3	7.2	7.7	7.6	6.5	5.5	5.8	1.8		6.8
First cesarean	2	212	1,008	2,301	2,720	1,688	433	52	-	8,416
Percent	13.3	16.3	17.5	18.8	19.1	20.6	23.9	47.3		19.3
Repeat cesarean	-	14	339	1,120	1,909	1,496	382	20	-	5,280
Percent	0.0	1.1	5.9	9.1	13.4	18.2	21.1	18.2		12.1
N.S.	-	-	-	-	-	-	-	-	-	-
TOTAL	**15**	**1,299**	**5,767**	**12,245**	**14,217**	**8,202**	**1,812**	**110**	**-**	**43,667**
Percent	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**		**100.0**

Note: Breech presentations may be coded to forceps, vacuum, first cesarean or repeat cesarean mode of delivery, as well as spontaneous breech. Total percentage may not add up to 100 due to rounding. Non-residents are excluded. N.S. - Not stated.

Vital Statistics Information Box

Place of Birth for Midwife Assisted Births
British Columbia, 2006-2010

The College of Midwives of British Columbia was established in 1995, and the first midwives were registered to practice in 1998. The Vital Statistics Agency implemented procedures to identify births delivered by registered midwives in 1998, and, by 1999, could identify all midwife assisted births. The table below shows the place of birth for midwife assisted births in the province from 2006 to 2010.

	2006		2007		2008		2009		2010	
Place of Birth	No.	%	No.	%	No.	%	No.	%	No.	%
Hospital	1,760	74.1	2,053	75.6	2,509	76.2	2,944	75.9	3,394	77.3
Home	223	9.4	647	23.8	726	22.18	856	22.1	913	20.8
Other & unknown*	393	16.5	16	0.6	57	1.7	77	2.0	86	2.0
Midwife Assisted Births	**2,376**	**100.0**	**2,716**	**100.0**	**3,292**	**100.0**	**3,877**	**100.0**	**4,393**	**100.0**
Percent of Total Births Delivered by Registered Midwives		**5.7**		**6.2**		**7.5**		**8.6**		**10.1**

Note: *Other and unknown includes birthing clinics.

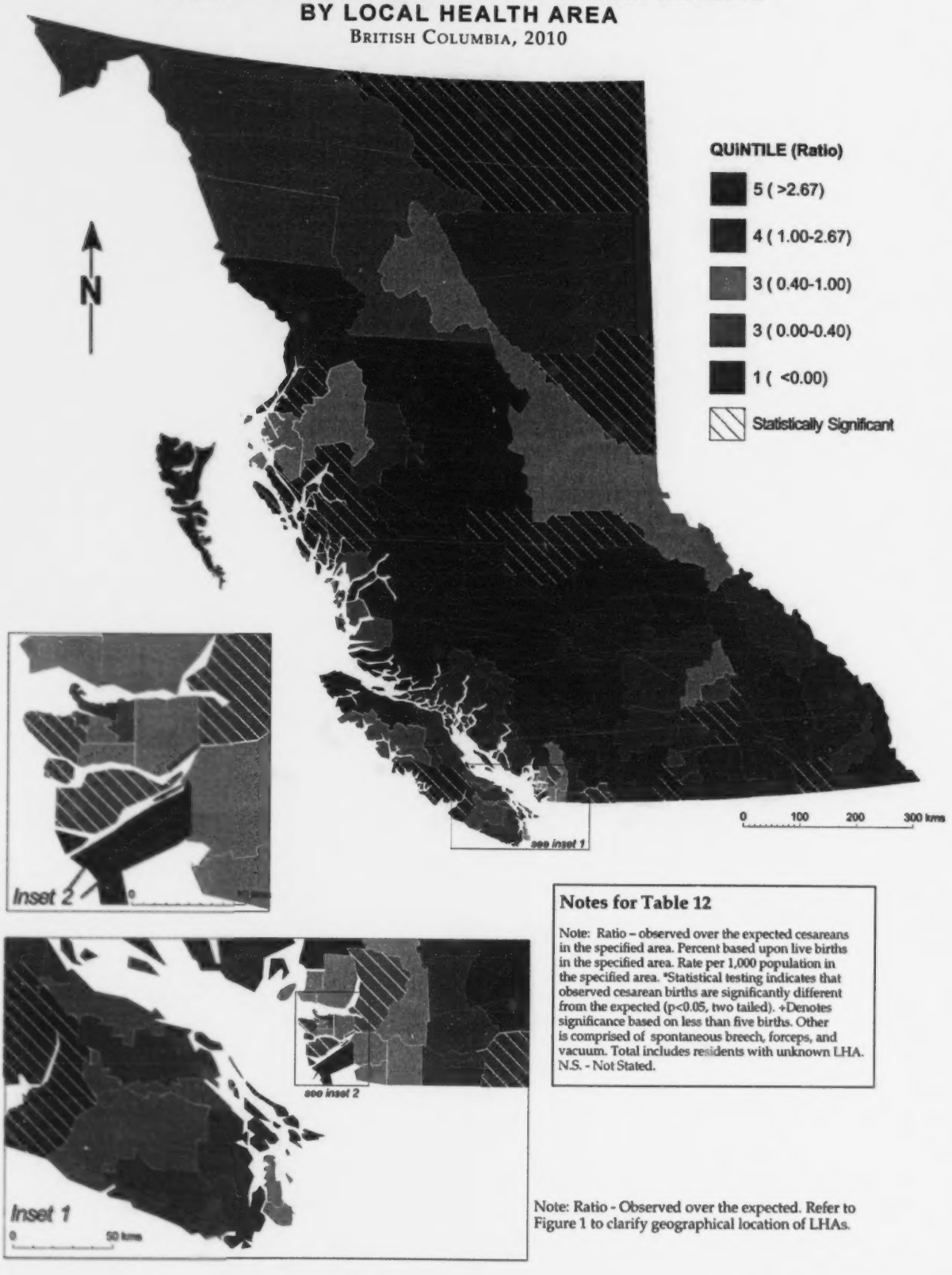
	Local Health Area	Spontaneous Vertex	Cesarean						Other	N.S.	Total Live Births	
			First	Repeat	Total	Expected	Ratio	(p)	Percent			Number	Rate
001	Fernie	84	33	16	49	44.22	1.11		34.8	8	-	141	9.37
002	Cranbrook	182	54	36	90	87.51	1.03		32.3	7	-	279	10.79
003	Kimberley	55	19	12	31	27.60	1.12		35.2	2	-	88	10.27
004	Windermere	58	18	8	26	28.23	0.92		28.9	8	-	90	8.33
005	Creston	62	14	20	34	31.99	1.06		33.3	6	-	102	7.94
006	Kootenay Lake	25	5	2	7	10.66	0.66		20.6	2	-	34	8.70
007	Nelson	157	27	17	44	66.18	0.66	*	20.9	10	-	211	8.34
009	Castlegar	73	24	14	38	37.01	1.03		32.2	7	-	118	8.69
010	Arrow Lakes	20	4	5	9	9.10	0.99		31.0	-	-	29	5.99
011	Trail	107	40	16	56	53.95	1.04		32.6	9	-	172	8.92
012	Grand Forks	26	10	8	18	14.11	1.13		35.6	3	-	45	5.06
013	Kettle Valley	17	4	1	5	6.90	0.72		22.7	-	-	22	5.92
014	Southern Okanagan	70	21	10	31	37.32	0.83		26.1	18	-	119	6.10
015	Penticton	197	50	29	79	100.05	0.79	*	24.8	43	-	319	7.70
016	Keremeos	21	9	5	14	11.92	1.17		36.8	3	-	38	7.24
017	Princeton	29	9	1	10	14.11	0.71		22.2	6	-	45	8.53
018	Golden	37	19	8	27	23.52	1.15		38.0	11	-	75	10.19
019	Revelstoke	55	13	13	26	28.86	0.90		28.3	11	-	92	11.60
020	Salmon Arm	159	60	33	93	84.37	1.10		34.6	17	-	289	7.71
021	Armstrong - Spallumcheen	72	14	14	28	32.31	0.87		27.2	3	-	103	10.64
022	Vernon	369	94	75	169	182.86	0.92		29.0	45	-	583	8.86
023	Central Okanagan	1,016	297	205	502	521.91	0.96		30.2	146	-	1,664	8.98
024	Kamloops	595	224	140	364	328.07	1.11		34.8	87	-	1,046	9.43
025	100 Mile House	47	20	10	30	26.66	1.13		35.3	8	-	85	5.71
026	North Thompson	31	4	1	5	11.92	0.42	*	13.2	2	-	38	8.81
027	Cariboo - Chilcotin	181	38	27	65	83.74	0.78	*	24.3	21	-	267	9.96
028	Quesnel	139	42	26	68	72.45	0.94		29.4	24	-	231	9.71
029	Lillooet	33	6	6	12	15.08	0.80		25.0	3	-	48	10.77
030	South Cariboo	47	9	10	19	21.33	0.89		27.9	2	-	68	9.14
031	Merritt	87	17	17	34	33.25	1.02		32.1	5	-	106	9.18
032	Hope	42	8	8	16	19.13	0.84		26.2	3	-	61	7.38
033	Chilliwack	616	191	122	313	318.04	0.98		30.9	85	-	1,014	11.72
034	Abbotsford	997	318	217	535	541.67	0.99		31.0	195	-	1,727	12.49
035	Langley	810	272	176	448	431.28	1.04		32.6	117	-	1,375	10.48
037	Delta	486	161	121	282	264.40	1.07		33.5	95	-	843	8.36
038	Richmond	927	290	240	530	518.77	1.02		32.0	197	-	1,654	8.40
040	New Westminster	362	164	83	247	217.67	1.13		35.6	85	-	694	10.37
041	Burnaby	1,186	509	257	766	690.65	1.11	*	34.8	250	-	2,202	9.68
042	Maple Ridge	499	212	124	336	302.98	1.11		34.8	131	-	966	10.18
043	Coquitlam	1,172	445	257	702	662.73	1.06		33.2	239	-	2,113	9.56
044	North Vancouver	689	233	140	373	370.42	1.01		31.6	119	-	1,181	8.33
045	West Vancouver-Bowen Island	129	56	43	99	81.23	1.22		38.2	31	-	259	4.92
046	Sunshine Coast	121	45	32	77	69.32	1.11		34.8	23	-	221	7.37
047	Powell River	88	31	18	49	46.11	1.06		33.3	10	-	147	7.32
048	Howe Sound	270	115	51	166	148.04	1.12		35.2	36	-	472	13.15
049	Bella Coola Valley	26	7	6	13	13.80	0.94		29.5	5	-	44	14.98
050	Queen Charlotte	24	10	4	14	12.55	1.12		35.0	2	-	40	8.71
051	Snow Country	-	-	-	-	-	-		-	-	-	-	-
052	Prince Rupert	142	30	23	53	67.12	0.79		24.8	19	-	214	14.89
053	Upper Skeena	44	11	4	15	19.45	0.77		24.2	3	-	62	11.47
054	Smithers	157	37	20	57	72.14	0.79		24.8	16	-	230	14.19
055	Burns Lake	43	8	8	16	19.45	0.82		25.8	3	-	62	7.79
056	Nechako	155	39	28	67	74.33	0.90		28.3	15	-	237	15.79
057	Prince George	709	174	115	289	337.17	0.86	*	26.9	77	-	1,075	11.08
059	Peace River South	186	51	38	89	96.29	0.92		29.0	32	-	307	11.16
060	Peace River North	395	88	81	169	187.56	0.90		28.3	34	-	598	16.89
061	Greater Victoria	1,125	377	199	576	572.09	1.01		31.6	123	-	1,824	8.19
062	Sooke	485	167	118	285	259.07	1.10		34.5	56	-	826	11.86
063	Saanich	273	63	49	112	129.54	0.86		27.1	28	-	413	6.46
064	Gulf Islands	71	15	11	26	31.68	0.82		25.7	4	-	101	8.33
065	Cowichan	386	89	53	122	163.41	0.75	*	23.4	13	-	521	9.03
066	Lake Cowichan	22	5	3	8	9.72	0.82		25.8	1	-	31	4.77
067	Ladysmith	96	12	17	29	41.71	0.70	*	21.8	8	-	133	7.13
068	Nanaimo	613	140	103	243	294.51	0.83	*	25.9	83	-	939	9.00
069	Qualicum	163	44	24	68	80.92	0.84		26.4	27	-	258	5.65
070	Alberni	189	57	33	90	104.44	0.86		27.0	54	-	333	10.83
071	Courtenay	354	101	50	151	170.62	0.88		27.8	39	-	544	8.42
072	Campbell River	214	46	46	92	108.52	0.85		26.6	40	-	346	8.28
075	Mission	271	85	67	152	146.47	1.04		32.5	44	-	467	10.95
076	Agassiz - Harrison	61	9	8	17	26.35	0.65		20.2	6	-	84	9.27
077	Summerland	40	9	11	20	21.64	0.92		29.0	9	-	69	6.02
078	Enderby	47	15	10	25	23.21	1.08		33.8	2	-	74	9.63
080	Kitimat	45	18	14	32	26.35	1.21		38.1	7	-	84	8.21
081	Fort Nelson	55	13	16	29	28.23	1.03		32.2	6	-	90	14.24
083	Central Coast	17	1	2	3	6.59	0.46		14.3	1	-	21	14.11
084	Vancouver Island West	14	2	2	4	6.27	0.64		20.0	2	-	20	8.53
085	Vancouver Island North	95	13	21	34	44.85	0.76		23.8	14	-	143	11.62
087	Stikine	4	1	1	2	1.88	1.06		33.3	-	-	6	6.09
088	Terrace	169	24	24	48	71.51	0.67	*	21.1	11	-	228	11.10
092	Nisga'a	29	3	6	9	12.86	0.70		22.0	3	-	41	20.94
094	Telegraph Creek	9	2	-	2	3.45	0.58		18.2	-	-	11	15.51
161	Vancouver - City Centre	528	297	73	370	334.35	1.11		34.7	188	-	1,086	8.90
162	Vancouver - Dwtn Eastside	312	105	29	134	163.41	0.82	*	25.7	75	-	521	7.46
163	Vancouver - North East	617	205	100	305	332.15	0.92		28.8	137	-	1,059	10.05
164	Vancouver - Westside	610	216	133	349	342.82	1.02		31.9	134	-	1,093	7.99
165	Vancouver - Midtown	557	185	97	282	299.53	0.94		29.5	116	-	955	10.38
166	Vancouver - South	631	251	145	396	373.87	1.06		33.2	165	-	1,192	8.80
201	Surrey	2,751	1,030	729	1,759	1,633.16	1.08	*	33.8	697	-	5,207	13.18
202	South Surrey/White Rock	362	132	87	219	200.11	1.09		34.3	57	-	638	7.36
	PROVINCIAL TOTAL	**26,501**	**8,416**	**5,280**	**13,696**	**13,696.00**	**1.00**		**31.4**	**4,470**	**-**	**43,667**	**9.84**

Notes for this table follow the map.

FIGURE 30

CESAREAN DELIVERIES OF LIVE BORN INFANTS BY LOCAL HEALTH AREA

BRITISH COLUMBIA, 2010



Notes for Table 12

Note: Ratio – observed over the expected cesareans in the specified area. Percent based upon live births in the specified area. Rate per 1,000 population in the specified area. *Statistical testing indicates that observed cesarean births are significantly different from the expected ($p<0.05$, two tailed). +Denotes significance based on less than five births. Other is comprised of spontaneous breech, forceps, and vacuum. Total includes residents with unknown LHA. N.S. - Not Stated.

Note: Ratio - Observed over the expected. Refer to Figure 1 to clarify geographical location of LHAs.

Births – Birth Weight

Birth weight is recognized as a primary indicator of newborn health not only in BC and in Canada but worldwide. It is also an important predictor of subsequent health and well being, as well as disability and death, among newborn infants. In BC, a baby is weighed (in grams) immediately after birth, and that weight is used as one of the diagnostic indicators of fetal growth.

The following tables show birth weight categorized by other indicators related to birth weight, such as gender, gestational age, and maternal age.

Babies born at term (37 to 41 weeks) and between 2,500 and 4,499 grams have been shown to have the most favourable prospects for good health. Table 13 indicates that 38,587 births or 88.4 percent of all live births in 2010 were in that category. There were 3,255 pre-term births (less than 37 weeks), which accounted for 7.5 percent of all live births.

Table 14 shows the number of live births to residents of BC in 2010 according to maternal age group and infant birth weight category. By far, most of the babies in each age group had healthy weights (from 2,500 to 4,499 grams).

Table 14 shows that mothers in the mid-age categories had the largest proportions of healthy weight babies and the lowest proportions of Low Birth Weight (LBW) babies (weighing less than 2,500 grams).

Table 15 displays the number and percent of LBW babies by gender according to the mother's age group. Female babies have a higher rate of LBW (57.39 per 1,000 female live births) than males (51.81 per 1,000 male live births).

Figure 31 graphically shows the pattern of LBW by maternal age groups. Women in the middle age groups had the lowest rates of LBW babies in 2010 with increasing rates in subsequent age groups. Older mothers not only have increased rates of LBW babies but the rate among older mothers has shown an increasing trend since 1986 as indicated in Figure 10.

Table 16 shows the incidence of LBW babies in the period 2005 to 2009 and the year 2010, stratified by the LHA of maternal residence for the whole province. As well as the incidence of such births, the 2005 to 2009 portion of the table shows the LBW rate per 1,000 live births and the ratio of the observed and expected number of LBW births in the LHA.

There were 12 LHAs with ratios that were statistically significant. Of these, 6 were high. The 2010 data show the incidence figures broken down by three categories: gestational age of the newborn, the total number of LBW births, and the rate. In 2010, the number of LBW babies in some LHAs was quite low. Therefore, the rates should be viewed with caution.

Figure 32 shows BC LHAs displayed in five levels according to the 2005-2009 observed versus expected LBW ratio. High ratios (Quintile 5, dark red colour) mean that an LHA had quite a high ratio in the years 2005-2009. At the other extreme, the areas shown as dark grey had a relatively low ratio.

TABLE 13
LIVE BIRTHS BY BIRTH WEIGHT, GENDER, AND GESTATIONAL AGE
BRITISH COLUMBIA, 2010

Birth Weight (in Grams)	Gender		Gestational Age (in Weeks)						Total
	Male	Female	<20	20–27	28–36	37–41	42+	N.S.	
<500	18	26	8	31	1	4	-	-	44
500-749	30	25	-	51	4	-	-	-	55
750-999	42	34	-	52	24	-	-	-	76
1,000-1,249	40	51	-	24	67	-	-	-	91
1,250-1,499	50	59	-	3	105	1	-	-	109
1,500-1,749	97	84	-	-	177	4	-	-	181
1,750-1,999	161	162	-	1	286	36	-	-	323
2,000-2,249	250	260	-	-	386	124	-	-	510
2,250-2,499	473	519	-	-	496	496	-	-	992
2,500-2,749	938	1,175	-	-	587	1,525	1	-	2,113
2,750-2,999	1,929	2,459	-	-	476	3,905	7	-	4,388
3,000-3,249	3,278	3,879	-	-	282	6,860	15	-	7,157
3,250-3,499	4,299	4,421	-	-	111	8,575	34	-	8,720
3,500-3,749	4,262	3,650	-	-	46	7,826	40	-	7,912
3,750-3,999	3,066	2,440	-	-	17	5,426	63	-	5,506
4,000-4,249	1,929	1,236	-	-	8	3,109	48	-	3,165
4,250-4,499	906	485	-	-	8	1,361	22	-	1,391
4,500-4,749	389	186	-	-	2	558	15	-	575
4,750-4,999	165	64	-	-	2	218	9	-	229
5,000-5,249	45	16	-	-	-	58	3	-	61
5,250-5,499	12	7	-	-	-	19	-	-	19
5,500+	10	3	-	-	-	13	-	-	13
N.S.	20	17	-	-	-	-	-	37	37
TOTAL	22,409	21,258	8	162	3,085	40,118	257	37	43,667

Note: Non-residents are excluded. N.S. – Not stated.

TABLE 14
LIVE BIRTHS BY BIRTH WEIGHT AND AGE OF MOTHER
BRITISH COLUMBIA, 2010

Birth Weight (in Grams)	Age of Mother (in Years)									Total
	<15	15–19	20–24	25–29	30–34	35–39	40–44	45+	N.S.	
<500	-	-	5	14	11	9	5	-	-	44
500-749	-	-	11	17	11	12	4	-	-	55
750-999	-	2	8	24	25	13	4	-	-	76
1,000-1,249	1	2	11	24	22	22	9	-	-	91
1,250-1,499	-	4	12	36	28	24	5	-	-	109
1,500-1,749	-	5	16	52	58	44	5	1	-	181
1,750-1,999	-	8	32	79	105	74	22	3	-	323
2,000-2,249	-	14	61	128	154	110	35	8	-	510
2,250-2,499	1	31	116	248	318	205	59	14	-	992
2,500-2,749	1	66	299	549	674	402	112	10	-	2,113
2,750-2,999	2	123	546	1,257	1,467	795	182	16	-	4,388
3,000-3,249	5	225	897	1,991	2,362	1,336	328	13	-	7,157
3,250-3,499	-	270	1,173	2,480	2,885	1,571	324	17	-	8,720
3,500-3,749	1	212	1,083	2,270	2,566	1,467	303	10	-	7,912
3,750-3,999	2	172	762	1,550	1,760	1,050	202	8	-	5,506
4,000-4,249	1	98	438	862	1,018	614	128	6	-	3,165
4,250-4,499	1	34	185	402	443	272	52	2	-	1,391
4,500-4,749	-	18	73	160	191	110	22	1	-	575
4,750-4,999	-	9	26	65	74	49	6	-	-	229
5,000-5,249	-	3	7	18	21	8	3	1	-	61
5,250-5,499	-	1	-	3	11	3	1	-	-	19
5,500+	-	1	1	-	5	6	-	-	-	13
Low	2	66	272	622	732	513	148	26	-	2,381
Percent	13.3	5.1	4.7	5.1	5.1	6.3	8.2	23.6	-	5.5
Healthy	13	1,200	5,383	11,361	13,175	7,507	1,631	82	-	40,352
Percent	86.7	92.4	93.3	92.8	92.7	91.5	90.0	74.5	-	92.4
High	-	32	107	246	302	176	32	2	-	897
Percent	-	2.5	1.9	2.0	2.1	2.1	1.8	1.8	-	2.1
N.S.	-	1	5	16	8	6	1	-	-	37
TOTAL	15	1,299	5,767	12,245	14,217	8,202	1,812	110	-	43,667

Note: Low birth weight <2,500 grams. Healthy birth weight 2,500 to 4,499 grams. High birth weight 4,500+ grams. Percent of age category in birth weight group. Non-residents are excluded. N.S. - Not stated.

TABLE 15
LOW BIRTH WEIGHT LIVE BIRTHS BY AGE OF MOTHER AND GENDER
BRITISH COLUMBIA, 2010

Age of Mother	Male		Female		Total		
	Number	Percent	Number	Percent	Number	Percent	Rate
< 15	2	0.2	-	-	2	0.1	133.33
15-19	34	2.9	32	2.6	66	2.8	50.81
20-24	132	11.4	140	11.5	272	11.4	47.16
25-29	296	25.5	326	26.7	622	26.1	50.80
30-34	345	29.7	387	31.7	732	30.7	51.49
35-39	270	23.3	243	19.9	513	21.5	62.55
40-44	73	6.3	75	6.1	148	6.2	81.68
45 +	9	0.8	17	1.4	26	1.1	236.36
N.S.	-	-	-	-	-	-	-
TOTAL	**1,161**	**100.0**	**1,220**	**100.0**	**2,381**	**100.0**	**54.53**

Note: Rate per 1,000 live births for the specified age group.
Low birth weight: birth weight less than 2,500 grams.
Total percentage may not add up to 100 due to rounding. Total includes unknown gender.
+ Denotes the number of cases is less than five
Non-residents are excluded. N.S. – Not stated.

FIGURE 31
LOW BIRTH WEIGHT LIVE BIRTHS BY AGE OF MOTHER
BRITISH COLUMBIA, 2010

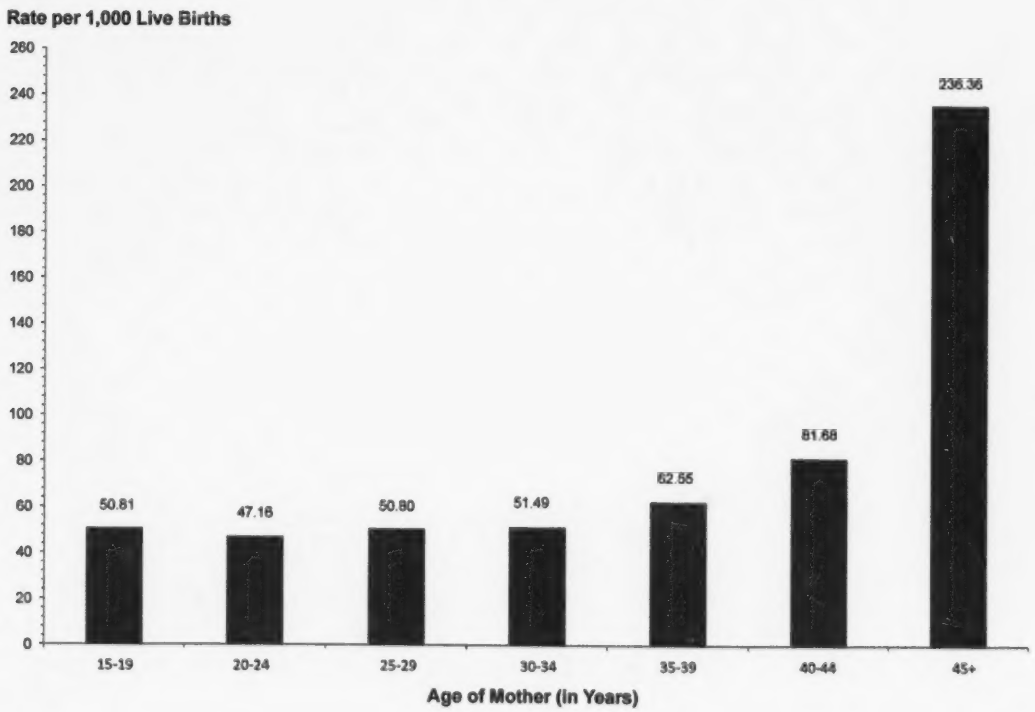


Table 16

LOW BIRTH WEIGHT LIVE BIRTHS BY LOCAL HEALTH AREA AND GESTATIONAL AGE, BRITISH COLUMBIA, 2005–2009 AND 2010

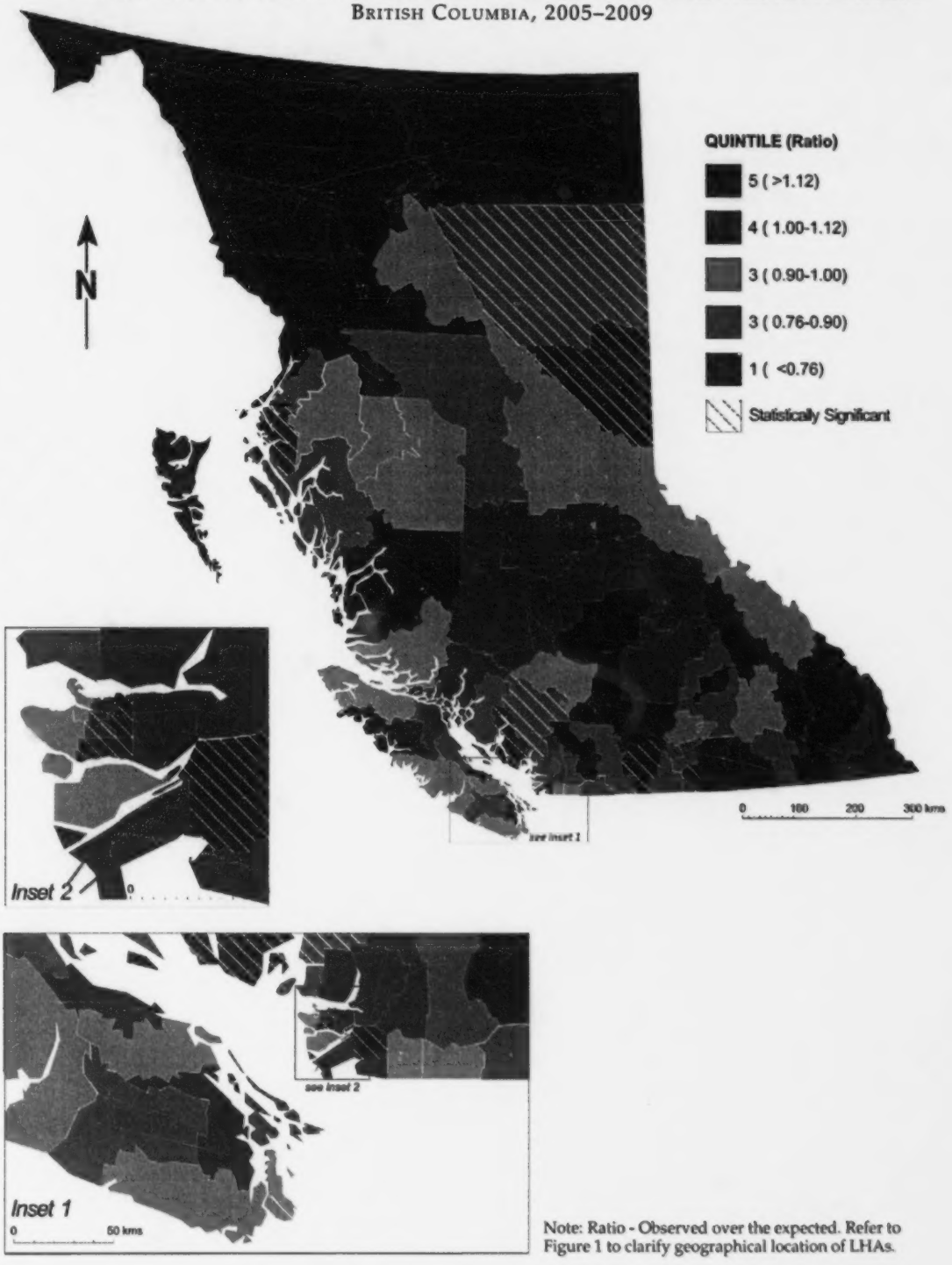
Local Health Area		2005–2009 Low Birth Weight Live Births				2010 Gestational Age (in Weeks)					
		Observed	Ratio	(p)	Rate	<37	37–41	42+	N.S.	Total	Rate
001	Fernie	28	0.70		39.27	6	3	-	-	9	63.83
002	Cranbrook	71	1.04		58.01	17	1	-	-	18	64.52
003	Kimberley	26	1.26		70.46	3	1	-	-	4	45.45
004	Windermere	28	1.16		84.52	6	3	-	-	9	100.00
005	Creston	41	1.23		68.79	1	1	-	-	2	19.61
006	Kootenay Lake	4	0.52		28.99	2	-	-	-	2	58.82
007	Nelson	57	0.87		46.68	7	3	-	-	10	47.39
009	Castlegar	17	0.67		37.44	9	3	-	-	12	101.69
010	Arrow Lakes	8	0.92		51.28	1	-	-	-	1	34.48
011	Trail	50	1.12		62.66	7	2	-	-	9	52.33
012	Grand Forks	13	0.76		42.21	2	1	-	-	3	68.67
013	Kettle Valley	2	0.32		18.02	2	1	-	-	3	136.36
014	Southern Okanagan	52	1.48	*	82.54	3	-	-	-	3	25.21
015	Penticton	74	0.81		45.32	11	8	-	-	19	59.56
016	Keremeos	9	0.86		48.13	1	1	-	-	2	52.63
017	Princeton	14	1.87	*	104.48	7	3	-	-	10	222.22
018	Golden	19	0.98		54.60	1	-	-	-	1	13.33
019	Revelstoke	16	0.75		41.99	3	1	-	-	4	43.48
020	Salmon Arm	65	0.88		49.32	6	2	-	-	8	29.74
021	Armstrong - Spallumcheen	17	0.72		40.38	5	-	-	-	5	48.54
022	Vernon	132	0.85		47.60	20	14	-	-	34	58.32
023	Central Okanagan	401	0.93		51.78	50	23	-	-	73	43.87
024	Kamloops	284	1.02		56.98	53	12	-	-	65	62.14
025	100 Mile House	32	1.12		62.62	1	-	-	-	1	11.76
026	North Thompson	13	1.03		57.52	2	2	-	-	4	105.26
027	Cariboo - Chilcotin	85	1.05		58.82	11	2	-	-	13	48.69
028	Quesnel	71	1.02		56.71	12	4	-	-	16	89.26
029	Lillooet	13	0.98		54.85	2	1	-	-	3	62.50
030	South Cariboo	23	1.35		75.16	4	3	-	-	7	102.94
031	Merritt	25	0.74		41.05	2	1	-	-	3	28.30
032	Hope	18	0.88		49.05	3	-	-	-	3	49.18
033	Chilliwack	248	0.89		49.85	32	7	-	-	39	38.46
034	Abbotsford	434	0.92		51.25	71	24	-	-	95	55.01
035	Langley	355	0.95		52.80	52	18	-	-	70	50.91
037	Delta	255	1.05		58.57	37	15	-	-	52	61.68
038	Richmond	466	1.00		55.54	54	30	-	-	84	50.79
040	New Westminster	212	1.13		62.76	29	9	-	-	38	54.76
041	Burnaby	636	1.02		56.99	76	35	-	-	111	50.41
042	Maple Ridge	266	1.02		56.68	36	12	-	-	48	49.69
043	Coquitlam	632	1.08		60.26	78	27	-	-	105	49.69
044	North Vancouver	340	1.01		56.41	39	15	-	-	54	45.72
045	West Vancouver-Bowen Island	85	0.84		46.70	10	2	-	-	12	48.33
046	Sunshine Coast	43	0.74	*	40.99	7	2	-	-	9	40.72
047	Powell River	29	0.76		42.46	7	-	-	-	7	47.62
048	Howe Sound	99	0.80	*	44.35	14	6	-	-	20	42.37
049	Bella Coola Valley	19	1.53		85.59	3	1	-	-	4	90.91
050	Queen Charlotte	9	0.72		40.18	-	-	-	-	-	-
051	Snow Country	3	1.99		111.11	-	-	-	-	-	-
052	Prince Rupert	32	0.66	*	37.04	8	3	-	-	11	51.40
053	Upper Skeena	12	0.65		36.47	2	1	-	-	3	48.39
054	Smithers	55	0.91		50.89	9	3	-	-	12	52.17
055	Burns Lake	24	0.96		53.81	2	1	-	-	3	48.39
056	Nechako	53	0.87		48.62	10	1	-	-	11	46.41
057	Prince George	301	0.98		54.51	50	14	-	-	64	59.53
059	Peace River South	65	0.73	*	40.47	10	2	-	-	12	39.09
060	Peace River North	126	0.78	*	43.51	20	5	-	-	25	41.81
061	Greater Victoria	451	0.90	*	50.28	62	26	-	-	88	48.25
062	Sooke	173	0.90		50.41	28	11	-	-	39	47.22
063	Saanich	102	0.94		52.28	24	4	-	-	28	67.80
064	Gulf Islands	22	0.90		50.00	3	1	-	-	4	39.60
065	Cowichan	156	1.05		58.65	24	3	-	-	27	51.82
066	Lake Cowichan	10	0.82		45.66	-	-	-	-	-	-
067	Ladysmith	45	1.07		59.84	4	4	-	-	8	60.15
068	Nanaimo	223	0.91		50.54	38	14	-	-	52	55.38
069	Qualicum	71	1.02		57.12	7	2	-	-	9	34.88
070	Alberni	86	0.92		51.07	19	3	-	-	22	66.07
071	Courtenay	115	0.85		47.25	5	12	-	-	17	31.25
072	Campbell River	108	1.00		55.96	14	2	-	-	16	46.24
075	Mission	112	0.88		49.19	12	5	-	-	17	36.40
076	Agassiz - Harrison	33	1.22		68.04	1	1	-	-	2	23.81
077	Summerland	16	0.78		43.60	2	2	-	-	4	57.97
078	Enderby	14	0.66		37.04	2	2	-	-	4	54.05
080	Kitimat	21	0.79		44.21	1	1	-	-	2	23.81
081	Fort Nelson	21	0.76		42.25	1	1	-	-	2	22.22
083	Central Coast	5	0.60		33.56	1	-	-	-	1	47.62
084	Vancouver Island West	4	0.63		35.40	-	-	-	-	-	-
085	Vancouver Island North	42	0.98		54.83	4	-	-	-	4	27.97
087	Stikine	3	1.74		96.77	-	-	-	-	-	-
088	Terrace	63	0.91		50.89	10	4	-	-	14	61.40
092	Nisga'a	8	0.82		45.98	1	-	-	-	1	24.39
094	Telegraph Creek	-	-		-	-	-	-	-	-	-
161	Vancouver - City Centre	241	0.92		51.53	58	15	-	-	73	68.48
162	Vancouver - Dwtn Eastside	147	1.10		61.07	21	13	-	-	34	65.26
163	Vancouver - North East	366	1.19	*	66.24	44	16	-	-	60	56.68
164	Vancouver - Westside	294	0.92		51.41	44	19	-	-	63	57.64
165	Vancouver - Midtown	322	1.12	*	62.48	53	15	-	-	68	71.20
166	Vancouver - South	458	1.25	*	69.48	64	24	-	-	88	73.83
201	Surrey	1,589	1.17	*	65.04	231	125	-	-	356	68.37
202	South Surrey/White Rock	164	1.08		60.14	22	11	-	-	33	51.72
	PROVINCIAL TOTAL	**11,974**	**1.00**		**55.77**	**1,716**	**665**	**-**	**-**	**2,381**	**54.53**

Note: Low Birth Weight – birth weight less than 2,500 grams. Ratio – observed over the expected low birth weight live births. * Statistical testing indicates that observed low birth weight live births are significantly different from the expected ($p<0.05$, two tailed). Rate per 1,000 live births in the specified area. Total includes residents with unknown LHA. N.S. - Not Stated.

FIGURE 32

LOW BIRTH WEIGHT LIVE BIRTHS BY LOCAL HEALTH AREA

BRITISH COLUMBIA, 2005–2009



Note: Ratio - Observed over the expected. Refer to Figure 1 to clarify geographical location of LHAs.

Births – Maternal Complications and Perinatal Conditions

Both maternal complications and perinatal conditions can be used as health status indicators. Only diagnoses affecting pregnancy, labour, or delivery were selected for the maternal complications part of this report. Perinatal conditions consist of diagnoses affecting the baby shortly before, during, or after birth.

The maternal complications shown in Table 17 are limited to those diagnoses that affected pregnancy, labour, or delivery. Note that an unlimited number of complications can be noted for each birth, so the total number of maternal complications can be greater than the number of live births with maternal complications.

Assisted or Surgical Delivery and Maternal Abnormalities of the Pelvic Organs were the two most frequent diagnostic categories of maternal complications in 2010 and the previous five years. The proportions of age group births that had pelvic organ abnormalities (including conditions such as cervical incompetence as well as scarring from surgeries such as previous cesarean sections) were observed more frequently in older mothers. Births complicated by Maternal Abnormality of Pelvic Organs made up 1.4 percent of births to mothers under 20 years old compared to 21.9 percent of births for mothers 40 years and over. The proportions of age group births that had at least one complication are shown along the bottom of the table.

Elderly primigravida (ICD-10 code Z35.5) refers to women aged 35 or older who are experiencing their first pregnancy. Elderly primigravida comprised 5.4 percent of all maternal complications in 2005-2009 and 5.6 percent in 2010 as shown in Table 17.

Table 18 shows the incidence of live births with maternal complications by LHA for the period 2005-2009 and for the year 2010. The observed births columns show the number of live births with complications by maternal LHA of residence. The ratios indicate the number of observed births divided by the number that would be expected if the LHA had the provincial rates and (p) indicates those LHAs where the observed number was significantly different from the expected.

In 2010, there were statistically significant low ratios in 50 LHAs, whereas 39 LHAs had high ratios that were statistically significant. In the 2005-2009 period, 55 LHAs had low ratios that were statistically significant and 34 LHAs had high ratios that were statistically significant.

The map in Figure 33 shows the LHAs identified in their quintile ranks by their 2005-2009 ratios of observed births with maternal complications to expected number of births with such conditions. LHAs with the highest ratios are coloured dark red, and those with the lowest ratios are dark grey.

The conditions listed in Table 19 consist of diagnoses affecting the baby shortly before, during, or after birth. The table shows the number and percent of all perinatal conditions in each condition category for 2005-2009 and 2010. The 2010 portion of the table also shows the conditions by maternal age group. Since multiple complications can be noted for each birth, the total number of perinatal conditions at the bottom of the table may exceed the number of live births with at least one perinatal condition.

Intrauterine hypoxia and birth asphyxia accounted for most of the perinatal conditions in both time periods (42.1 percent in 2005-2009 and 43.6 percent in 2010). Conditions related to short gestation and those related to long gestation or high birth weight together accounted for 33.9 percent of the conditions in 2010 and 38.5 percent in the 2005-2009 period.

Table 20 shows the incidence of live births with perinatal conditions by the mother's LHA of residence for the period 2005-2009 and for the year 2010. In 2010, there were 20 LHAs where the observed number of perinatal conditions was significantly different from the expected number, and in 13 of these, the observed number was significantly higher.

Figure 34 map shows the LHAs identified in their quintile ranks by their 2005-2009 ratios of observed births with perinatal conditions to the expected number of births with such conditions. LHAs with the highest ratios are coloured dark red, and those with the lowest ratios are dark grey.

TABLE 17
MATERNAL COMPLICATIONS OF PREGNANCY AND DELIVERY IN LIVE BIRTHS BY AGE OF MOTHER
BRITISH COLUMBIA, 2005–2009 AND 2010

Maternal Complications	ICD-10 Code(s)	2005–2009		2010						
				Age of Mother (in Years)						
		Total	Percent	<20	20–29	30–39	40+	N.S.	Total	Percent
Hypertension/hypertensive disorders in pregnancy	O10-O11, O13, O16	2,591	1.7	8	218	286	41	-	553	1.7
Edema and proteinuria without hypertension	O12	22	0.0	-	3	-	-	-	3	0.0
Pre-eclampsia/eclampsia	O14-O15	976	0.6	8	94	105	23	-	230	0.7
Hemorrhage in early pregnancy	O20	5	0.0	-	-	-	-	-	-	0.0
Hyperemesis gravidarum	O21	63	0.0	1	5	5	-	-	11	0.0
Other maternal disorders predominantly related to pregnancy	O22-O23, O25-O29	1,803	1.2	17	196	233	25	-	471	1.4
Diabetes in pregnancy	O24	2,412	1.6	6	164	414	67	-	651	2.0
Multiple gestation and related complications	O30-O31	6,509	4.2	23	401	803	135	-	1,362	4.2
Fetal malpresentation	O32	6,920	4.5	30	523	670	60	-	1,283	3.9
Disproportion	O33	418	0.3	4	39	28	2	-	73	0.2
Maternal abnormality of pelvic organs	O34	26,234	17.0	19	1,512	3,507	420	-	5,458	16.8
Disorders of amniotic fluid and membranes	O40-O42	4,316	2.8	30	381	468	53	-	932	2.9
Placental disorders	O43-O45, O73	2,272	1.5	17	179	265	31	-	492	1.5
Antepartum hemorrhage	O46	414	0.3	3	28	52	9	-	92	0.3
Prolonged pregnancy	O48	1,232	0.8	9	84	139	9	-	241	0.7
Preterm labour and delivery	O60	9,251	6.0	75	708	848	84	-	1,715	5.3
Abnormalities of forces of labour	O62-O63	6,667	4.3	37	639	710	47	-	1,433	4.4
Obstructed labour	O64-O66	11,961	7.8	86	1,164	1,282	96	-	2,628	8.1
Intrapartum hemorrhage	O67	-	-	-	-	-	-	-	-	-
Evidence of fetal distress	O68	8,950	5.8	72	894	1,069	100	-	2,135	6.6
Cord complications	O69	2,545	1.7	27	258	275	21	-	581	1.8
Obstetrical trauma	O70-O71	1,701	1.1	17	202	213	13	-	445	1.4
Postpartum hemorrhage	O72	2,125	1.4	29	247	244	21	-	541	1.7
Assisted or surgical delivery - no cause given[1]	O81-O82	30,927	20.1	158	2,622	3,315	340	-	6,435	19.8
Maternal and puerperal infections	O85-O86, O98, A34	347	0.2	8	48	59	4	-	119	0.4
Other puerperal complications	O87-O92	69	0.0	-	6	9	-	-	15	0.0
Maternal noninfectious diseases complicating the pregnant state	O99	2,319	1.5	12	228	277	44	-	561	1.7
Elderly primigravida	Z355, O355	8,345	5.4	-	-	1,560	257	-	1,817	5.6
Maternal drug use	O00-O08,	457	0.3	4	31	26	3	-	64	0.2
Other maternal complications	O350-O353, O356-O36, O47, O61, O74-O75, O95-O97	12,130	7.9	73	884	1,171	110		2,238	6.9
Total maternal complications		**153,981**	**100.0**	**773**	**11,758**	**18,033**	**2,015**	**-**	**32,579**	**100.0**
Live births with the above maternal complications	**- Number**	**112,421**		**566**	**8,835**	**12,868**	**1,309**	**-**	**23,578**	
	- Percent(*)	**52.4**		**43.1**	**49.1**	**57.4**	**68.1**		**54.0**	

Note: Percent based upon maternal complications. Percent (*) based upon live births for the specified maternal age group.
[1]Where no other complication code is found. Total percentage may not add up to 100 due to rounding.
N.S. - Not Stated. Non-residents are excluded.

Vital Statistics Information Box

Top 25 Baby Names in 2010

Each year the British Columbia Vital Statistics Agency produces a list of the most chosen baby names. The table below provides the top 25 names. Alternate spellings of names that sound alike (such as Catherine, Katherine, and Katharine) are not combined. The complete 2010 list, as well as lists for several previous years can be found at http://www.vs.gov.bc.ca/babynames/index.html. In 2010, 672 boys' names and 750 girls' names were chosen for five or more newborns.

	Baby Boys		Baby Girls	
Rank	Name	Number	Name	Number
1	Jacob	263	Olivia	296
2	Liam	263	Ella	210
3	Ethan	247	Emma	210
4	Lucas	216	Sophia	210
5	Benjamin	210	Emily	185
6	Logan	209	Ava	177
7	Mason	201	Chloe	172
8	Alexander	195	Isabella	167
9	Noah	190	Sophie	129
10	Nathan	178	Lily	128
11	William	176	Abigail	121
12	Daniel	169	Hannah	114
13	Ryan	163	Brooklyn	113
14	Matthew	162	Grace	111
15	Joshua	159	Madison	110
16	James	153	Charlotte	109
17	Owen	147	Avery	103
18	Jayden	145	Amelia	102
19	Aiden	140	Maya	101
20	Jack	137	Alexis	100
21	Samuel	136	Hailey	89
22	Evan	128	Sarah	89
23	Oliver	125	Claire	88
24	Jackson	119	Isla	85
25	Gavin	110	Zoe	83

Table 18

MATERNAL COMPLICATIONS OF PREGNANCY AND DELIVERY IN LIVE BIRTHS BY LOCAL HEALTH AREA, BRITISH COLUMBIA, 2005–2009 AND 2010

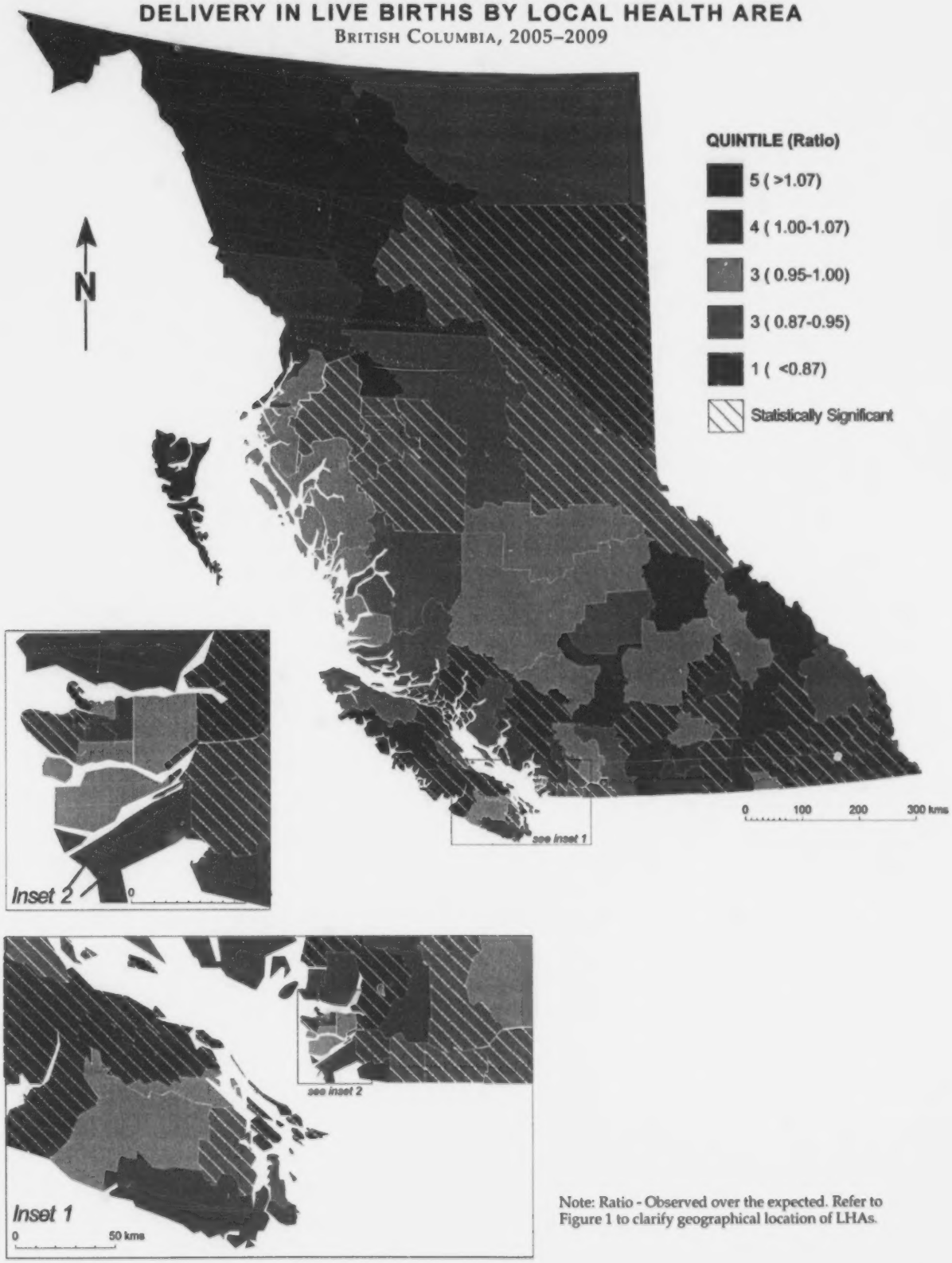
Local Health Area		2005–2009 Observed Births	Ratio	(p)	Percent	Total Live Births	2010 Observed Births	Expected Births	Ratio	(p)	Percent	Total Live Births
001	Fernie	418	1.12	*	58.6	713	75	76.1	0.99		53.2	141
002	Cranbrook	517	0.81	*	42.2	1,224	110	150.6	0.73	*	39.4	279
003	Kimberley	162	0.84	*	43.9	369	37	47.5	0.78		42.0	88
004	Windermere	214	0.94		49.3	434	48	48.6	0.99		53.3	90
005	Creston	239	0.77	*	40.1	596	51	55.1	0.93		50.0	102
006	Kootenay Lake	44	0.61	*	31.9	138	15	18.4	0.82		44.1	34
007	Nelson	454	0.74	*	38.8	1,171	86	113.9	0.75	*	40.8	211
009	Castlegar	203	0.85	*	44.7	454	65	63.7	1.02		55.1	118
010	Arrow Lakes	71	0.87		45.5	156	11	15.7	0.70		37.9	29
011	Trail	408	0.98		51.1	798	83	92.9	0.89		48.3	172
012	Grand Forks	137	0.85		44.5	308	24	24.3	0.99		53.3	45
013	Kettle Valley	31	0.53	*	27.9	111	7	11.9	0.59		31.8	22
014	Southern Okanagan	335	1.02		53.2	630	66	64.3	1.03		55.5	119
015	Penticton	882	1.03		54.0	1,633	190	172.2	1.10		59.6	319
016	Keremeos	98	1.00		52.4	187	21	20.5	1.02		55.3	38
017	Princeton	61	0.87		45.5	134	24	24.3	0.99		53.3	45
018	Golden	195	1.07		56.0	348	50	40.5	1.23		66.7	75
019	Revelstoke	191	0.96		50.1	381	47	49.7	0.95		51.1	92
020	Salmon Arm	806	1.17	*	61.2	1,318	148	145.2	1.02		55.0	269
021	Armstrong - Spallumcheen	235	1.07		55.8	421	48	55.6	0.86		46.6	103
022	Vernon	1,533	1.06	*	55.3	2,773	321	314.8	1.02		55.1	583
023	Central Okanagan	4,026	0.99		52.0	7,744	843	898.5	0.94		50.7	1,664
024	Kamloops	2,566	0.98		51.5	4,984	571	564.8	1.01		54.6	1,046
025	100 Mile House	236	0.88		46.2	511	49	45.9	1.07		57.6	85
026	North Thompson	98	0.83		43.4	226	13	20.5	0.63		34.2	38
027	Cariboo - Chilcotin	739	0.98		51.1	1,445	139	144.2	0.96		52.1	267
028	Quesnel	635	0.97		50.7	1,252	131	124.7	1.05		56.7	231
029	Lillooet	123	0.99		51.9	237	28	25.9	1.08		58.3	48
030	South Cariboo	140	0.87		45.8	306	32	36.7	0.87		47.1	68
031	Merritt	271	0.85	*	44.5	609	53	57.2	0.93		50.0	106
032	Hope	173	0.90		47.1	367	28	32.9	0.85		45.9	61
033	Chilliwack	2,408	0.92	*	48.4	4,975	516	547.5	0.94		50.9	1,014
034	Abbotsford	3,986	0.89	*	46.8	8,469	889	932.5	0.95		51.5	1,727
035	Langley	3,353	0.95	*	49.9	6,723	760	742.4	1.02		55.3	1,375
037	Delta	2,337	1.03		53.7	4,354	456	455.2	1.00		54.1	843
038	Richmond	4,298	0.98		51.2	8,391	911	893.1	1.02		55.1	1,654
040	New Westminster	1,989	1.12	*	58.9	3,378	407	374.7	1.09		58.6	694
041	Burnaby	5,769	0.99		51.7	11,159	1,224	1,189.0	1.03		55.6	2,202
042	Maple Ridge	2,526	1.03		53.8	4,693	533	521.6	1.02		55.2	966
043	Coquitlam	6,132	1.12	*	58.5	10,488	1,228	1,140.9	1.08	*	58.1	2,113
044	North Vancouver	3,237	1.03		53.7	6,027	620	637.7	0.97		52.5	1,181
045	West Vancouver-Bowen Island	736	1.01		52.9	1,392	148	139.8	1.06		57.1	259
046	Sunshine Coast	558	1.02		53.2	1,049	125	119.3	1.05		56.6	221
047	Powell River	334	0.93		48.9	683	83	79.4	1.05		56.5	147
048	Howe Sound	1,276	1.09	*	57.2	2,232	274	254.9	1.08		58.1	472
049	Bella Coola Valley	108	0.93		48.6	222	24	23.8	1.01		54.5	44
050	Queen Charlotte	125	1.07		55.8	224	21	21.6	0.97		52.5	40
051	Snow Country	15	1.06		55.6	27	-	-	-		-	-
052	Prince Rupert	435	0.96		50.3	864	104	115.5	0.90		48.6	214
053	Upper Skeena	197	1.14		59.9	329	42	33.5	1.25		67.7	62
054	Smithers	515	0.91	*	47.5	1,085	102	124.2	0.82	*	44.3	230
055	Burns Lake	203	0.87	*	45.5	446	28	33.5	0.84		45.2	62
056	Nechako	540	0.95		49.5	1,090	131	128.0	1.02		55.3	237
057	Prince George	2,608	0.90	*	47.2	5,522	512	580.4	0.88	*	47.6	1,075
059	Peace River South	660	0.78	*	41.1	1,606	135	165.8	0.81	*	44.0	307
060	Peace River North	1,201	0.79	*	41.5	2,896	238	322.9	0.74	*	39.8	598
061	Greater Victoria	4,814	1.02		53.7	8,970	957	984.9	0.97		52.5	1,824
062	Sooke	1,873	1.04		54.6	3,432	461	446.0	1.03		55.8	826
063	Saanich	960	0.94		49.2	1,951	206	223.0	0.92		49.9	413
064	Gulf Islands	173	0.75	*	39.3	440	46	54.5	0.84		45.5	101
065	Cowichan	1,213	0.87	*	45.6	2,660	233	281.3	0.83	*	44.7	521
066	Lake Cowichan	109	0.95		49.8	219	12	16.7	0.72		38.7	31
067	Ladysmith	391	0.99		52.0	752	63	71.8	0.88		47.4	133
068	Nanaimo	2,667	1.15	*	60.4	4,412	552	507.0	1.09	*	58.8	939
069	Qualicum	707	1.09	*	56.9	1,243	142	139.3	1.02		55.0	258
070	Alberni	1,043	1.18	*	61.9	1,684	189	179.8	1.05		56.8	333
071	Courtenay	1,200	0.94	*	49.3	2,434	286	293.7	0.97		52.6	544
072	Campbell River	1,160	1.15	*	60.1	1,930	206	186.8	1.10		59.5	346
075	Mission	1,104	0.93	*	48.5	2,277	244	252.2	0.97		52.2	467
076	Agassiz - Harrison	240	0.95		49.5	485	32	45.4	0.71	*	38.1	84
077	Summerland	209	1.09		56.9	367	41	37.3	1.10		59.4	69
078	Enderby	198	1.00		52.4	378	35	40.0	0.88		47.3	74
080	Kitimat	245	0.99		51.6	475	42	45.4	0.93		50.0	84
081	Fort Nelson	242	0.93		48.7	497	41	48.6	0.84		45.6	90
083	Central Coast	77	0.99		51.7	149	9	11.3	0.79		42.9	21
084	Vancouver Island West	69	1.17		61.1	113	11	10.8	1.02		55.0	20
085	Vancouver Island North	377	0.94		49.2	766	67	77.2	0.87		46.9	143
087	Stikine	20	1.23		64.5	31	3	3.2	0.93		50.0	6
088	Terrace	571	0.88	*	46.1	1,238	107	123.1	0.87		46.9	228
092	Nisga'a	87	0.95		50.0	174	21	22.1	0.95		51.2	41
094	Telegraph Creek	19	0.74		38.8	49	3	5.9	0.51		27.3	11
161	Vancouver - City Centre	2,796	1.14	*	59.8	4,677	687	575.6	1.19	*	64.4	1,066
162	Vancouver - Dwtn Eastside	1,248	0.99		51.8	2,407	287	281.3	1.02		55.1	521
163	Vancouver - North East	2,892	1.00		52.3	5,525	572	571.8	1.00		54.0	1,059
164	Vancouver - Westside	3,125	1.04	*	54.6	5,719	604	590.2	1.02		55.3	1,093
165	Vancouver - Midtown	2,781	1.03		54.0	5,154	537	515.7	1.04		56.2	955
166	Vancouver - South	3,430	0.99		52.0	6,592	666	643.6	1.03		55.9	1,192
201	Surrey	13,156	1.03	*	53.8	24,432	2,948	2,811.5	1.05	*	56.6	5,207
202	South Surrey/White Rock	1,436	1.01		52.7	2,727	339	344.5	0.98		53.1	638
	PROVINCIAL TOTAL	**112,421**	**1.00**		**52.4**	**214,703**	**23,578**	**23,578.0**	**1.00**		**54.0**	**43,667**

Note: *Statistical testing indicates that the observed number of births with maternal complications is significantly different from the expected ($p<0.05$, two tailed). Ratio - observed over expected. Percent of observed births is based on total live births. Total includes residents with unknown LHA. Non-residents are excluded.

FIGURE 33

MATERNAL COMPLICATIONS OF PREGNANCY AND DELIVERY IN LIVE BIRTHS BY LOCAL HEALTH AREA

BRITISH COLUMBIA, 2005–2009



Note: Ratio - Observed over the expected. Refer to Figure 1 to clarify geographical location of LHAs.

TABLE 19
PERINATAL CONDITIONS IN LIVE BIRTHS BY AGE OF MOTHER
BRITISH COLUMBIA, 2005–2009 AND 2010

Perinatal Conditions	ICD-10 Code	2005–2009		2010						
				Age of Mother (in Years)						
		Total	Percent	<20	20–29	30–39	40+	N.S.	Total	Percent
Fetus/newborn affected by maternal conditions that may be unrelated to present pregnancy	P00	57	0.1	-	34	34	9	-	77	0.4
Complications of pregnancy, labour and delivery	P01, P03	11,979	12.8	69	1,031	1,500	202	-	2,802	14.5
Fetus/newborn affected by complications of placenta, cord and membranes	P02	2,888	3.1	31	347	427	45	-	850	4.4
Fetus affected by noxious influences transmitted via placenta (or breast milk)	P04	55	0.1	2	18	10	3	-	33	0.2
Slow fetal growth and malnutrition	P05	1,781	1.9	10	125	139	12	-	286	1.5
Perinatal disorders related to short gestation	P072, P073	15,722	16.8	105	1,199	1,610	202	-	3,116	16.1
Disorders related to long gestation or high birth weight	P08	20,325	21.7	102	1,386	1,826	138	-	3,452	17.8
Perinatal birth trauma	P10-P15	314	0.3	6	36	36	-	-	78	0.4
Intrauterine hypoxia and birth asphyxia	P20-P21	39,421	42.1	296	3,740	4,053	357	-	8,446	43.6
Respiratory conditions of fetus and newborn	P22-P28	480	0.5	4	40	42	5	-	91	0.5
Cardiovascular disorders originating in the perinatal period	P29	-	-	-	-	-	-	-	-	-
Infections specific to the perinatal period	P35-P39	23	0.0	-	1	3	-	-	4	0.0
Fetal and neonatal hemorrhage	P50-P52, P54	86	0.1	1	5	5	1	-	12	0.1
Perinatal jaundice/other hematological disorders	P53, P55-P61	49	0.1	-	4	6	-	-	10	0.1
Perinatal endocrine and metabolic disorders	P70-P74	37	0.0	1	3	2	-	-	6	0.0
Digestive system disorders of fetus and newborn	P76-P78	4	0.0	-	-	-	-	-	-	-
Perinatal conditions of the integument and of temperature regulation	P80-P83	152	0.2	1	17	18	1	-	37	0.2
Other disorders originating in the perinatal period	P90-P96	297	0.3	4	33	28	8	-	73	0.4
All Perinatal Conditions		**93,670**	**100.0**	**632**	**8,019**	**9,739**	**983**	**-**	**19,373**	**100.0**
Live births with the above perinatal conditions	**- Number**	**72,581**		**488**	**6,202**	**7,486**	**719**	**-**	**14,895**	
	- Percent(*)	**33.8**		**37.1**	**34.4**	**33.4**	**37.4**		**34.1**	

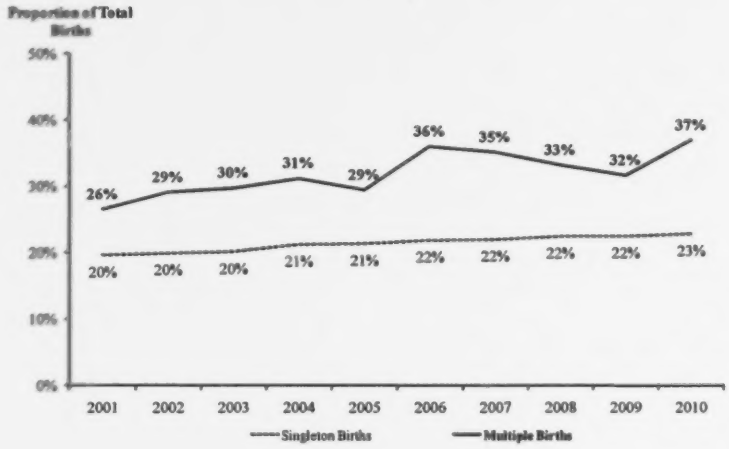
Note: Percent based upon perinatal conditions. Percent (*) based upon live births for the maternal age group. Total percentage may not add up to 100 due to rounding. N.S. - Not stated. Non-residents are excluded.

Vital Statistics Information Box

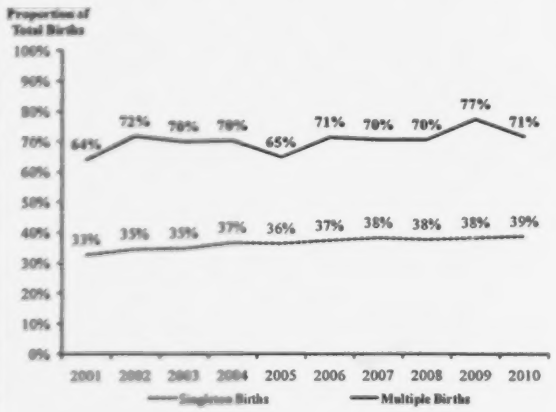
Birth and Older Mothers in British Columbia, 2001 - 2010

Older mothers, those aged 35 and over, have increased their share of the total births to women in British Columbia. Since 2001, the share of multiple births attributable to older mothers has increased by 39.4 percent. Most of these births are via cesarean section; however, the proportion of these births considered to be Low Birth Weight has remained relatively stable.

PROPORTION OF SINGLETON AND MULTIPLE BIRTHS
TO MOTHERS AGED 35 AND OLDER
British Columbia, 2001 - 2010



PROPORTION OF SINGLETON AND MULTIPLE BIRTHS
TO MOTHERS AGED 35 AND OLDER BIRTHED
VIA CESAREAN SECTION
British Columbia, 2001 - 2010



PROPORTION OF SINGLETON AND MULTIPLE BIRTHS
TO MOTHERS AGED 35 AND OLDER WITH
LOW BIRTH WEIGHT (<2500 GRAMS)
British Columbia, 2001 - 2010

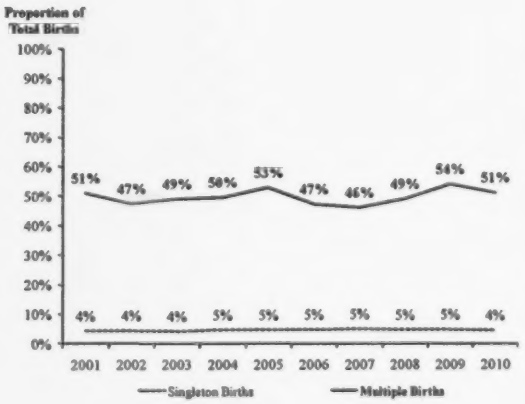


Table 20

PERINATAL CONDITIONS IN LIVE BIRTHS BY LOCAL HEALTH AREA, BRITISH COLUMBIA, 2005–2009 AND 2010

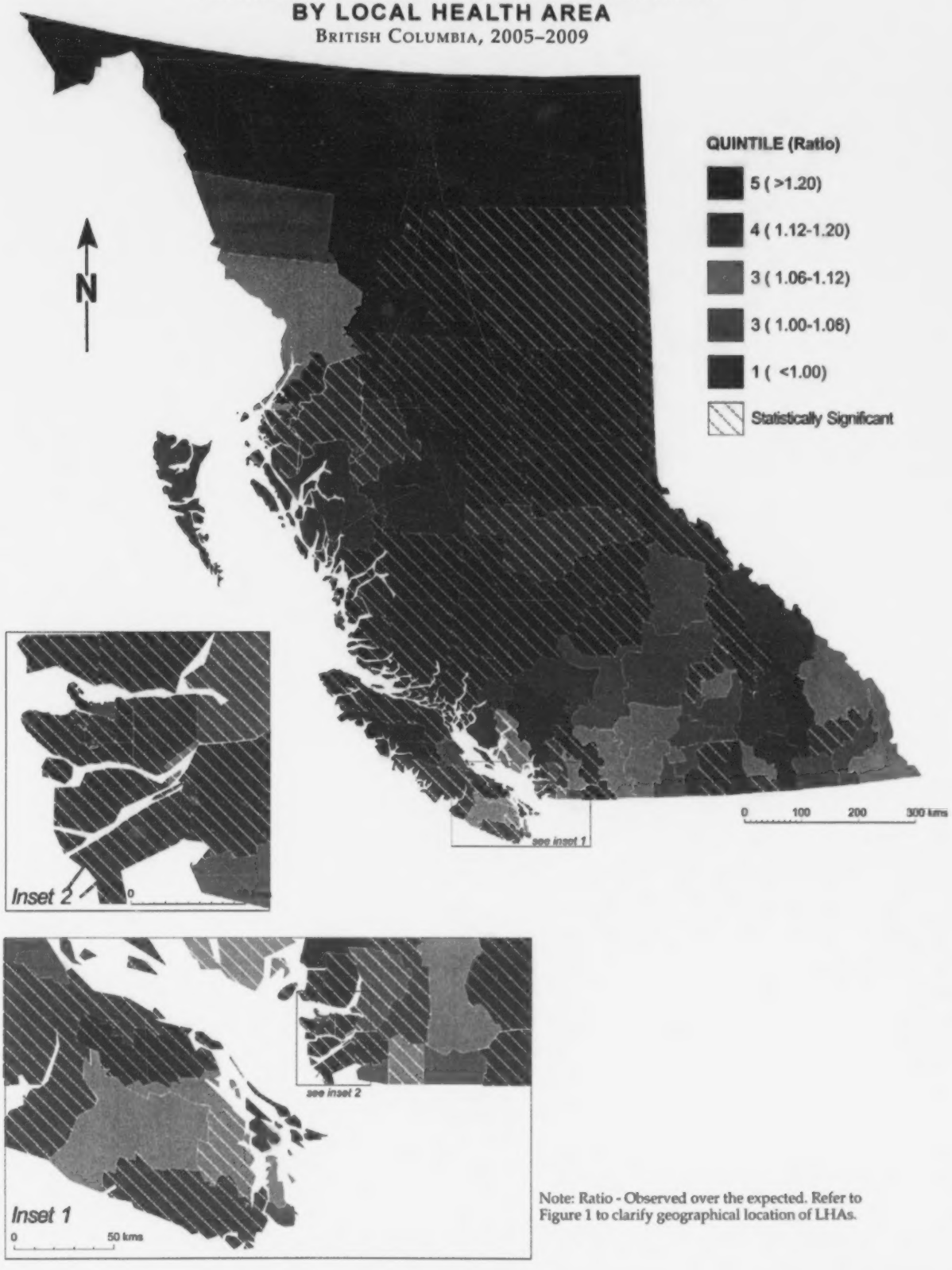
Local Health Area		2005–2009 Observed Births	Ratio	(p)	Percent	Total Live Births	2010 Observed Births	Expected Births	Ratio	(p)	Percent	Total Live Births
001	Fernie	261	1.08		36.6	713	47	48.1	0.98		33.3	141
002	Cranbrook	424	1.02		34.6	1,224	88	95.2	0.92		31.5	279
003	Kimberley	147	1.18	*	39.8	369	28	30.0	0.93		31.8	88
004	Windermere	157	1.07		36.2	434	35	30.7	1.14		38.9	90
005	Creston	209	1.04		35.1	596	25	34.8	0.72		24.5	102
006	Kootenay Lake	38	0.81		27.5	138	6	11.6	0.52		17.6	34
007	Nelson	383	0.97		32.7	1,171	70	72.0	0.97		33.2	211
009	Castlegar	165	1.08		36.3	454	55	40.3	1.37	*	46.6	118
010	Arrow Lakes	60	1.14		38.5	156	8	9.9	0.81		27.6	29
011	Trail	308	1.14	*	38.6	798	65	58.7	1.11		37.8	172
012	Grand Forks	98	0.94		31.8	308	13	15.3	0.85		28.9	45
013	Kettle Valley	24	0.64	*	21.6	111	8	7.5	1.07		36.4	22
014	Southern Okanagan	195	0.92		31.0	630	48	40.6	1.18		40.3	119
015	Penticton	551	1.00		33.7	1,633	133	108.8	1.22	*	41.7	319
016	Keremeos	64	1.01		34.2	187	14	13.0	1.08		36.8	38
017	Princeton	49	1.08		36.6	134	23	15.3	1.50		51.1	45
018	Golden	138	1.17		39.7	348	30	25.6	1.17		40.0	75
019	Revelstoke	178	1.38	*	46.7	381	40	31.4	1.27		43.5	92
020	Salmon Arm	525	1.18	*	39.8	1,318	110	91.8	1.20		40.9	269
021	Armstrong - Spallumcheen	146	1.03		34.7	421	46	35.1	1.31		44.7	103
022	Vernon	989	1.06		35.7	2,773	211	198.9	1.06		36.2	583
023	Central Okanagan	2,709	1.03		35.0	7,744	625	567.6	1.10	*	37.6	1,664
024	Kamloops	1,756	1.04		35.2	4,984	403	356.8	1.13	*	38.5	1,046
025	100 Mile House	211	1.22	*	41.3	511	34	29.0	1.17		40.0	85
026	North Thompson	79	1.03		35.0	226	16	13.0	1.23		42.1	38
027	Cariboo - Chilcotin	675	1.38	*	46.7	1,445	116	91.1	1.27	*	43.4	267
028	Quesnel	499	1.18	*	39.9	1,252	95	78.8	1.21		41.1	231
029	Lillooet	91	1.14		38.4	237	26	16.4	1.59	*	54.2	48
030	South Cariboo	104	1.01		34.0	306	28	23.2	1.21		41.2	68
031	Merritt	218	1.06		35.8	609	44	36.2	1.22		41.5	106
032	Hope	137	1.10		37.3	367	26	20.8	1.25		42.6	61
033	Chilliwack	2,041	1.21	*	41.0	4,975	412	345.9	1.19	*	40.6	1,014
034	Abbotsford	2,908	1.02		34.3	8,469	607	589.1	1.03		35.1	1,727
035	Langley	2,522	1.11	*	37.5	6,723	500	469.0	1.07		36.4	1,375
037	Delta	1,343	0.91	*	30.8	4,354	263	287.6	0.91		31.2	843
038	Richmond	2,249	0.79	*	26.8	8,391	451	564.2	0.80	*	27.3	1,654
040	New Westminster	1,216	1.06	*	36.0	3,378	254	236.7	1.07		36.6	694
041	Burnaby	3,027	0.80	*	27.1	11,159	607	751.1	0.81	*	27.6	2,202
042	Maple Ridge	1,881	1.19	*	40.1	4,693	342	329.5	1.04		35.4	966
043	Coquitlam	3,732	1.05	*	35.6	10,488	751	720.8	1.04		35.5	2,113
044	North Vancouver	1,784	0.88	*	29.6	6,027	331	402.8	0.82	*	28.0	1,181
045	West Vancouver-Bowen Island	390	0.83	*	28.0	1,392	77	88.3	0.87		29.7	259
046	Sunshine Coast	396	1.12	*	37.8	1,049	81	75.4	1.07		36.7	221
047	Powell River	259	1.12		37.9	683	55	50.1	1.10		37.4	147
048	Howe Sound	722	0.96		32.3	2,232	170	161.0	1.06		36.0	472
049	Bella Coola Valley	105	1.40	*	47.3	222	22	15.0	1.47		50.0	44
050	Queen Charlotte	88	1.16		39.3	224	16	13.6	1.17		40.0	40
051	Snow Country	10	1.10		37.0	27	-	-	-		-	-
052	Prince Rupert	343	1.17	*	39.7	864	84	73.0	1.15		39.3	214
053	Upper Skeena	153	1.38	*	46.5	329	32	21.1	1.51	*	51.6	62
054	Smithers	418	1.14	*	38.5	1,085	77	78.5	0.98		33.5	230
055	Burns Lake	149	0.99		33.4	446	22	21.1	1.04		35.5	62
056	Nechako	464	1.26	*	42.6	1,090	97	80.8	1.20		40.9	237
057	Prince George	2,300	1.23	*	41.7	5,522	440	366.7	1.20	*	40.9	1,075
059	Peace River South	649	1.20	*	40.4	1,606	105	104.7	1.00		34.2	307
060	Peace River North	874	0.89	*	30.2	2,896	210	204.0	1.03		35.1	598
061	Greater Victoria	3,138	1.03		35.0	8,970	632	622.2	1.02		34.6	1,824
062	Sooke	1,299	1.12	*	37.8	3,432	286	281.8	1.02		34.6	826
063	Saanich	708	1.07		36.3	1,951	150	140.9	1.06		36.3	413
064	Gulf Islands	147	0.99		33.4	440	35	34.5	1.02		34.7	101
065	Cowichan	993	1.10	*	37.3	2,660	212	177.7	1.19	*	40.7	521
066	Lake Cowichan	80	1.08		36.5	219	10	10.6	0.95		32.3	31
067	Ladysmith	283	1.11		37.6	752	58	45.4	1.28		43.6	133
068	Nanaimo	1,884	1.26	*	42.7	4,412	425	320.3	1.33	*	45.3	939
069	Qualicum	495	1.18	*	39.8	1,243	107	88.0	1.22	*	41.5	258
070	Alberni	677	1.19	*	40.2	1,684	130	113.6	1.14		39.0	333
071	Courtenay	861	1.05		35.4	2,434	199	185.6	1.07		36.6	544
072	Campbell River	792	1.21	*	41.0	1,930	139	118.0	1.18		40.2	346
075	Mission	816	1.06		35.8	2,277	160	159.3	1.00		34.3	467
076	Agassiz - Harrison	210	1.28	*	43.3	485	34	28.7	1.19		40.5	84
077	Summerland	131	1.06		35.7	367	32	23.5	1.36		46.4	69
078	Enderby	142	1.11		37.6	378	27	25.2	1.07		36.5	74
080	Kitimat	180	1.12		37.9	475	30	28.7	1.05		35.7	84
081	Fort Nelson	156	0.93		31.4	497	26	30.7	0.85		28.9	90
083	Central Coast	71	1.41	*	47.7	149	9	7.2	1.26		42.9	21
084	Vancouver Island West	50	1.31		44.2	113	7	6.8	1.03		35.0	20
085	Vancouver Island North	322	1.24	*	42.0	766	54	48.8	1.11		37.8	143
087	Stikine	13	1.24		41.9	31	3	2.0	1.47		50.0	6
088	Terrace	495	1.18	*	40.0	1,238	97	77.8	1.25	*	42.5	228
092	Nisga'a	82	1.39	*	47.1	174	16	14.0	1.14		39.0	41
094	Telegraph Creek	17	1.03		34.7	49	4	3.8	1.07		36.4	11
161	Vancouver - City Centre	1,484	0.94	*	31.7	4,677	368	363.6	1.01		34.5	1,066
162	Vancouver - Dwtn Eastside	819	1.01		34.0	2,407	159	177.7	0.89		30.5	521
163	Vancouver - North East	1,478	0.79	*	26.8	5,525	286	361.2	0.79	*	27.0	1,059
164	Vancouver - Westside	1,649	0.85	*	28.8	5,719	327	372.8	0.88	*	29.9	1,093
165	Vancouver - Midtown	1,548	0.89	*	30.0	5,154	311	325.8	0.95		32.6	955
66	Vancouver - South	1,788	0.80	*	27.1	6,592	340	406.6	0.84	*	28.5	1,192
201	Surrey	7,192	0.87	*	29.4	24,432	1,489	1,776.1	0.84	*	28.6	5,207
202	South Surrey/White Rock	956	1.04		35.1	2,727	210	217.6	0.96		32.9	638
	PROVINCIAL TOTAL	**72,581**	**1.00**		**33.8**	**214,703**	**14,895**	**14,895.0**	**1.00**		**34.1**	**43,667**

Note: *Statistical testing indicates that observed number of births with perinatal conditions is significantly different from the expected ($p<0.05$, two tailed). Ratio-observed over the expected. Percent of births is based on total live births and includes residents with unknown LHA and excludes non-residents.

FIGURE 34

PERINATAL CONDITIONS IN LIVE BIRTHS BY LOCAL HEALTH AREA

BRITISH COLUMBIA, 2005–2009



Note: Ratio - Observed over the expected. Refer to Figure 1 to clarify geographical location of LHAs.

Death-related Statistics

Vital Statistics Information Box

Deaths by Decedent's Place of Birth

British Columbia, 2010

Area	Province/Country	Deaths
Canada	**Total**	**20,885**
	British Columbia	8,413
	Saskatchewan	3,860
	Alberta	2,904
	Ontario	2,244
	Manitoba	1,966
	Quebec	705
	Nova Scotia	348
	New Brunswick	220
	Newfoundland & Labrador	124
	Yukon	45
	Prince Edward Island	41
	Northwest Territories & Nunavut	12
	Nunavut	2
	Unknown Province	1
North and Central America	**Total**	**807**
	United States	707
	Other North and Central American countries	100
South America	**Total**	**85**
Europe	**Total**	**6,245**
	United kingdom	2,663
	Germany	697
	Netherlands	436
	Scandinavian countries	351
	Italy	327
	Poland	316
	Hungary	164
	Russia	141
	Republic of Ireland	140
	Austria	114
	Other European countries	896
Asia and the Middle East	**Total**	**2,656**
	China	1,016
	India	647
	Philippines	205
	Hong Kong	168
	Vietnam	93
	South Korea	73
	Iran	62
	Pakistan	48
	Japan	40
	Other Asian and the Middle Eastern countries	204
Africa	**Total**	**199**
	South Africa	72
	Other African countries	127
Oceania	**Total**	**197**
	Fiji	121
	Australia	48
	New Zealand	26
	Other Oceanic countries	2
Unknown	**Total**	**169**
Total		**31,143**

Note: Non-residents are excluded.

Death Introduction

In recognition of the importance of mortality statistics for health surveillance, planning, and research, a comprehensive array of tables is presented in this part of the report. Causes of death and/or age at death form the base of most tables because they are crucial components of health status for regional, national, and international comparisons. While other causes may have contributed to the death, the Underlying Cause of Death (UCOD) (see Glossary) is defined as the condition or injury that initiated the chain of events leading directly to the death, and was used for these tabulations. All causes are identified according to the World Health Organization's International Statistical Classification of Diseases and Related Health Problems, Tenth Revision (ICD-10) which is a statistical coding system and the accepted international standard for mortality coding. The groups of codes used to define particular topics are noted in the tables.

Deaths – General Indicators

An overall view of the number of deaths by ICD-10 chapters by gender and age is shown in Table 21. It provides a summary of the contribution of the 19 diagnostic categories to total deaths in BC in 2010. More detailed information for the same age groups appears in Appendix 2, which provides counts at the "3 character level". Although the causes shown in Appendix 2 ("Detailed Cause of Death by Gender and Age") are fairly specific, most ICD-10 codes consist of four or five characters, and are therefore even more detailed than the "roll ups" shown in Appendix 2. Neoplasms and Diseases of the Circulatory System accounted for most of the deaths in 2010 for both genders. Deaths in those two categories are further analysed in the sections following.

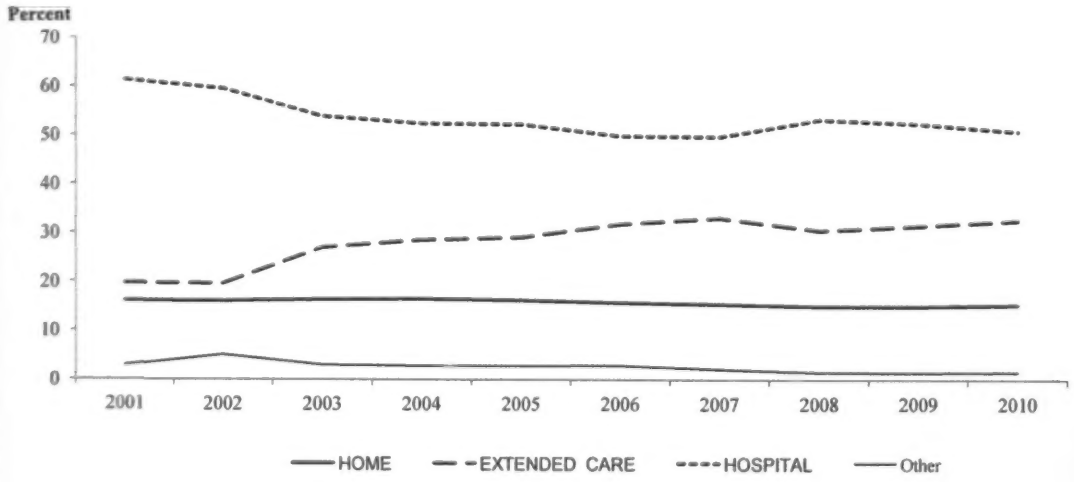
Vital Statistics Information Box

Place of Death for Deaths From Natural Causes
British Columbia, 2001 - 2010

Deaths from natural causes in 2001 to 2010 were examined to determine the place of death. The majority of these deaths to British Columbia residents occurred in hospital (53.3 percent over the ten year period). 15.7 percent of deaths from natural causes occurred at home and 28.4 percent occurred in extended care facilities.

Place of Death	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2001-2010
Home	4,227	4,267	4,437	4,571	4,533	4,497	4,476	4,489	4,375	4,494	44,366
Extended Care	5,189	5,213	7,343	7,916	8,139	9,091	9,601	9,140	9,189	9,575	80,396
Hospital	16,180	15,876	14,641	14,525	14,642	14,265	14,453	15,931	15,293	14,930	150,736
Other and Unknown	775	1,353	813	775	788	824	618	456	433	471	7,306
Total	**26,371**	**26,709**	**27,234**	**27,787**	**28,102**	**28,677**	**29,148**	**30,016**	**29,290**	**29,470**	**282,804**

Percent of Deaths from Natural Causes by Place of Death
British Columbia, 2001 - 2010

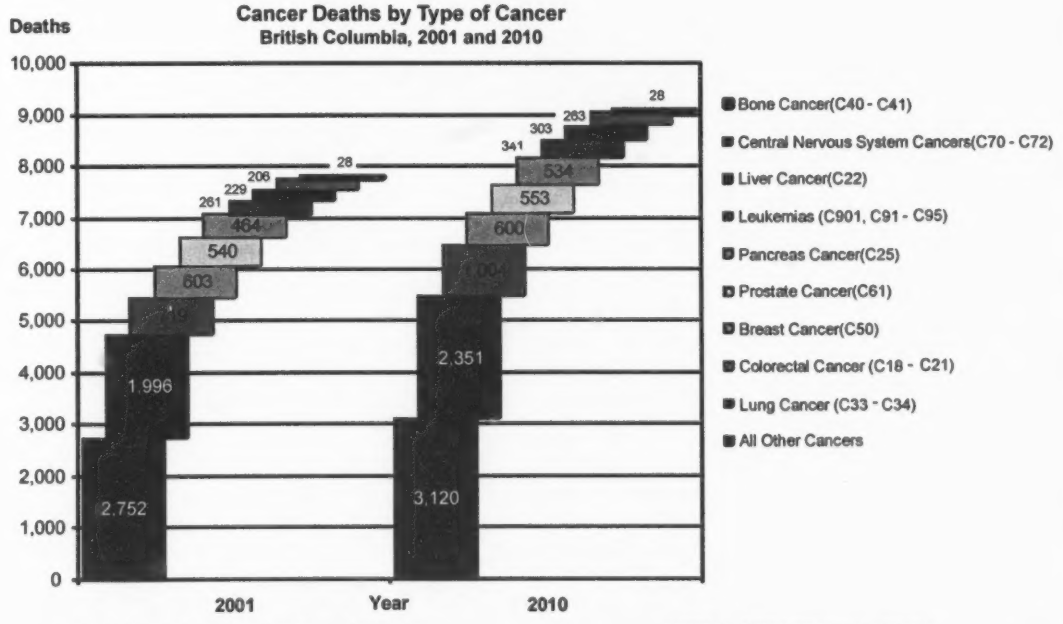


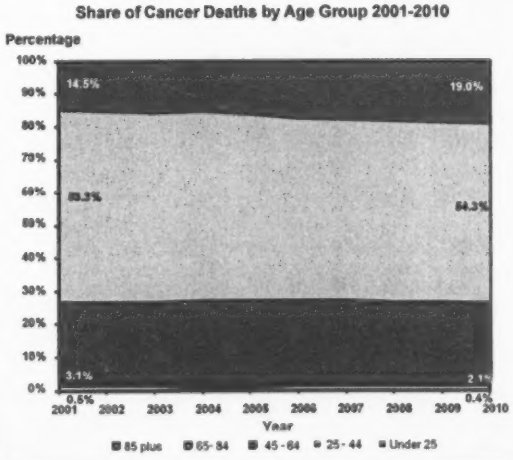
Note: The BC Vital Statistics Agency changed the way the place of death is recorded in 2008.

Vital Statistics Information Box

Cancer Deaths in British Columbia, 2001 to 2010

More British Columbians succumbed to Cancer or Malignant Neoplasms (ICD Codes C00-C97) than any other cause in 2010. The following charts illustrate the trends and changes in deaths caused by Cancer from 2001 to 2010. As illustrated, the proportion of deaths caused by specific types of Cancer has not changed substantially from 2001 to 2010. However, those dying of Cancer in 2010 are older than they were in 2001, and larger shares of them are female. Both the Age Standardized Mortality Rate (ASMR) rate and Potential Years of Life Lost (PYLLSR) have fallen.





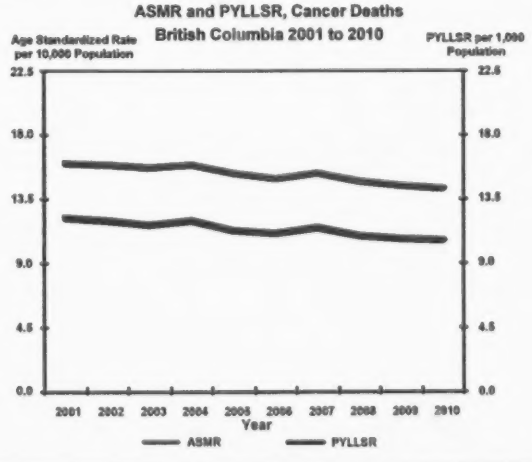


TABLE 21
CAUSES OF DEATH BY GENDER AND AGE
BRITISH COLUMBIA, 2010

ICD-10 Code(s)	Causes of Death	Gender	Age Group (in Years)										Total		
			<1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	Number	Percent	ASMR
A00-B99	Certain infectious and parasitic diseases	M	3	-	-	-	-	-	17	98	68	120	304	1.9	1.03
		F	-	-	-	-	1	1	8	53	51	135	249	1.6	0.64
		T	3	-	-	-	1	1	25	149	119	255	553	3.5	0.82
C00-D48	Neoplasms	M	-	2	3	4	4	2	92	1,110	2,019	1,598	4,834	30.4	16.65
		F	2	1	4	-	5	11	103	1,103	1,622	1,572	4,423	27.8	12.81
		T	2	3	7	4	9	13	195	2,213	3,641	3,170	9,257	58.2	14.48
D50-D89	Diseases of blood and blood-forming organs, certain immune mechanisms	M	2	-	-	-	-	-	1	10	9	26	48	0.3	0.16
		F	-	-	-	-	1	1	1	8	11	37	57	0.4	0.14
		T	2	-	-	-	1	1	2	18	20	63	105	0.7	0.15
E00-E90	Endocrine/nutritional/metabolic diseases	M	1	2	-	-	1	1	18	114	270	289	696	4.4	2.41
		F	1	1	3	-	-	1	10	60	151	386	613	3.9	1.52
		T	2	3	3	-	1	2	28	174	421	675	1,309	8.2	1.94
F00-F99	Mental and behavioural disorders	M	-	-	-	-	-	-	8	46	114	325	493	3.1	1.63
		F	-	-	-	-	-	-	-	10	82	712	804	5.1	1.60
		T	-	-	-	-	-	-	8	58	196	1,037	1,297	8.2	1.65
G00-G99	Diseases of the nervous system	M	1	-	-	1	6	3	12	68	178	328	597	3.8	2.02
		F	2	-	1	-	2	2	10	71	115	497	700	4.4	1.65
		T	3	-	1	1	8	5	22	139	293	825	1,297	8.2	1.82
H00-H59	Diseases of the eye and adnexa	M	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-
		T	-	-	-	-	-	-	-	-	-	-	-	-	-
H60-H95	Diseases of the ear and mastoid process	M	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	1	1	2	0.0	+
		T	-	-	-	-	-	-	-	-	1	1	2	0.0	+
I00-I99	Diseases of the circulatory system	M	-	-	-	-	-	3	68	688	1,292	2,438	4,489	28.2	14.98
		F	-	-	-	1	-	3	33	234	806	3,518	4,595	28.9	10.19
		T	-	-	-	1	-	6	101	922	2,098	5,956	9,084	57.1	12.43
J00-J99	Diseases of the respiratory system	M	2	-	-	1	1	-	6	163	446	973	1,592	9 10.0	5
		F	-	-	1	-	-	-	12	93	367	1,067	1,540	9.7	3.66
		T	2	-	1	1	1	-	18	256	813	2,040	3,132	19.7	4.34
K00-K93	Diseases of the digestive system	M	-	1	-	-	-	2	28	180	187	241	639	4.0	2.16
		F	-	-	-	-	-	1	20	87	135	324	567	3.6	1.44
		T	-	1	-	-	-	3	48	267	322	565	1,206	7.6	1.78
L00-L99	Diseases of the skin and subcutaneous tissue	M	-	-	1	-	-	-	-	2	7	23	33	0.2	0.11
		F	-	-	-	-	-	-	-	5	8	39	52	0.3	0.12
		T	-	-	1	-	-	-	-	7	15	62	85	0.5	0.11
M00-M99	Diseases of the musculoskeletal system and connective tissue	M	-	-	-	-	-	-	3	6	12	33	54	0.3	0.18
		F	-	-	-	-	-	-	2	11	38	78	127	0.8	0.32
		T	-	-	-	-	-	-	5	17	48	111	181	1.1	0.26
N00-N99	Diseases of the genitourinary system	M	-	-	-	-	-	-	1	20	90	224	335	2.1	1.11
		F	-	-	-	-	-	-	2	18	78	349	447	2.8	0.99
		T	-	-	-	-	-	-	3	38	168	573	782	4.9	1.04
O00-O99	Complications of pregnancy, childbirth and the puerperium	M	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	2	1	-	-	3	0.0	+
		T	-	-	-	-	-	-	2	1	-	-	3	0.0	+
P00-P96	Certain conditions originating in the perinatal period	M	51	-	-	-	-	-	-	-	-	-	51	0.3	0.32
		F	47	1	-	-	-	-	-	-	-	-	48	0.3	0.32
		T	98	1	-	-	-	-	-	-	-	-	99	0.6	0.32
Q00-Q99	Congenital anomalies	M	14	1	2	1	-	1	5	10	5	3	42	0.3	0.20
		F	14	1	2	1	-	1	3	4	4	5	35	0.2	0.18
		T	28	2	4	2	-	2	8	14	9	8	77	0.5	0.19
R00-R99	Symptoms, signs and ill-defined conditions, unknown causes	M	16	1	1	10	17	20	142	219	103	71	600	3.8	2.40
		F	6	2	3	-	13	15	55	85	67	155	401	2.5	1.29
		T	22	3	4	10	30	35	197	304	170	226	1,001	6.3	1.84
V01-Y98	External causes	M	-	4	1	2	41	71	290	351	126	205	1,091	6.9	4.33
		F	1	4	-	3	19	17	92	117	69	256	578	3.6	1.77
		T	1	8	1	5	60	88	382	468	195	461	1,669	10.5	3.02
	All causes	M	90	11	8	19	70	103	692	3,084	4,926	6,897	15,900	100.0	54.99
		F	73	10	14	5	41	53	353	1,958	3,603	9,133	15,243	95.9	38.67
	PROVINCIAL TOTAL	T	163	21	22	24	111	156	1,045	5,042	8,529	16,030	31,143	195.9	46.23

Note: ASMR per 10,000 standard population (Canada 1991 Census). Total percentage may not add up to 100 due to rounding. + Denotes the number of cases is less than five. Non-residents are excluded. Total includes unknown gender. The output from ICD-10 mortality coding and underlying cause of death selection was modified in BC to reflect the intent of certifiers in this jurisdiction and to provide greater continuity over time. Data using the standard ICD-10 rules for such categories as pneumonia/influenza, diabetes, or cancer should not be compared to the numbers shown above.

Leading Causes of Death

Table 22 shows the 12 leading causes of death in BC. The two leftmost columns list the cause and the corresponding codes in ICD-10. For the 2005-2009 period and the year 2010, the following four values are shown: number of deaths, the rank by number of deaths, the ASMR, and the rank by ASMR. The rows of the table are in the order of the 2010 ASMR rank.

For 2010, the 12 leading causes of death shown in Table 22 were responsible for 84.3 percent of all deaths. The top three causes of death were the same for both time periods, not only in the rank by number of deaths, but also in ASMR rank. They are malignant neoplasms, cardiovascular disease, and cerebrovascular diseases. For 2010, these three leading causes account for 57.1 percent of all deaths.

Figure 35 shows the number of deaths from Table 22 in 2010 graphically. It shows clearly the impact of the top three categories, which cause more than half of all deaths.

Table 23 shows the five leading causes of death in the seven different age groupings. The leading cause of death among those under 1 year of age (infant mortality), were certain conditions originating in the perinatal period with 60.1 percent of the deaths attributable to this cause. The second highest cause of infant deaths was congenital malformations and chromosome abnormalities. Males accounted for 55.2 percent of the deaths among those under 1 year of age. Of all infant deaths, 67.5 percent occurred within the first seven days after birth and 79.1 percent occurred within the first 28 days (see Table 27). Infant mortality is examined in more detail in the next section.

Among children 1 to 14 years old, malignant neoplasms were the most common cause of deaths; most of these were males. The second leading cause of death for this age group was unintentional injuries.

Unintentional injuries were the leading cause of death, particularly for males, in the age groups 15-24 and 25-44. These causes include events such as motor vehicle accidents, falls, and accidental poisonings. A more detailed list of the included causes by ICD codes appears in Appendix 2. Counts of death due to unintentional injuries, suicide, and homicide, (collectively referred to as "external causes of death") in the current year tend to underestimate the actual figures due to known delays in determining final causes of deaths. As a result, it can be anticipated that these numbers will be revised upwards in subsequent annual reports.

Between 15 and 24 years of age, suicide ranked second as the leading cause of death after unintentional injuries (see also Table 35). There were substantially fewer female deaths in this age group as shown in Table 23. In the age group between 25 and 44, malignant neoplasms were the second most common cause of death, with female deaths outnumbering males and comprising the largest proportion of female mortality in this age group.

Malignant neoplasms were the leading cause of death for those between 45 and 64 years, accounting for 35.9 percent of deaths for males and 56.1 percent of deaths for females in this age group.

Between 65 and 84 years of age, 37.3 percent of the deaths were due to malignant neoplasms followed by cardiovascular disease which caused 18.9 percent of deaths. For those 85 years and older, the order of those two cause categories was reversed with cardiovascular disease causing 27.8 percent of deaths and malignant neoplasms causing 15.2 percent.

Malignant neoplasms ranked in the first three leading causes of death in each age group for those over 1 year of age. This cause of death was the overall leading cause of death in BC in 2005-2009, as well as in 2010 (see Table 22 and Figure 35). Notwithstanding, the ASMR for total malignant neoplasms and for lung cancer have declined over the last two decades (see Figures 19 and 20).

TABLE 22
TWELVE LEADING CAUSES OF DEATH
BRITISH COLUMBIA, 2005–2009 AND 2010

Cause of Death	ICD-10 Code(s)	2005–2009				2010			
		Number	Rank	ASMR	Rank	Number	Rank	ASMR	Rank
Malignant neoplasms	C00-C97	43,472	1	14.92	1	9,097	1	14.25	1
Cardiovascular disease	I00-I51	34,038	2	10.45	2	6,446	2	8.85	2
Cerebrovascular diseases	I60-I69	11,506	3	3.47	3	2,226	3	2.99	3
Chronic Pulmonary Disease	J40-J44	6,826	4	2.18	5	1,415	4	2.06	4
Unintentional injuries	V01-X59, Y40-Y86, Y880-Y883	6,791	5	2.69	4	1,156	5	1.98	5
Diabetes mellitus	E10-E14	5,025	7	1.65	7	1,048	8	1.54	6
Vascular/senile dementia	F01, F03	4,367	8	1.21	9	1,140	6	1.40	7
Pneumonia/Influenza	J09-J181, J188, J189	6,635	6	1.95	6	1,060	7	1.36	8
Other diseases of digestive system	K00-K67, K80-K93	4,317	9	1.35	8	804	9	1.12	9
Other disorders of the nervous system	G00-G25, G31-G99	3,230	11	1.10	10	660	11	1.03	10
Urinary system diseases	N00-N39, N990, N991, N995	3,524	10	1.06	11	753	10	1.00	11
Suicide	X60-X84, Y870	2,278	12	0.97	12	454	12	0.92	12
Other causes[1]		22,902		7.90		4,884		7.73	
TOTAL (All causes of death)		154,911		50.90		31,143		46.23	

Note: [1]Other causes includes undetermined and pending.
ASMR - Age Standardized Mortality Rate per 10,000 standard population (Canada 1991 Census).
The ASMR in the current year determined the order in which the causes of death are presented.
Leading causes are ranked according to 2010 ASMR.
Non-residents are excluded. The output from ICD-10 mortality coding and underlying cause of death selection was modified in British Columbia to reflect the intent of certifiers in this jurisdiction and to provide greater continuity over time.
Data using the standard ICD-10 rules for such categories as pneumonia/influenza, diabetes, or cancer should not be compared to the numbers shown above.

FIGURE 35

TWELVE LEADING CAUSES OF DEATH

BRITISH COLUMBIA, 2010

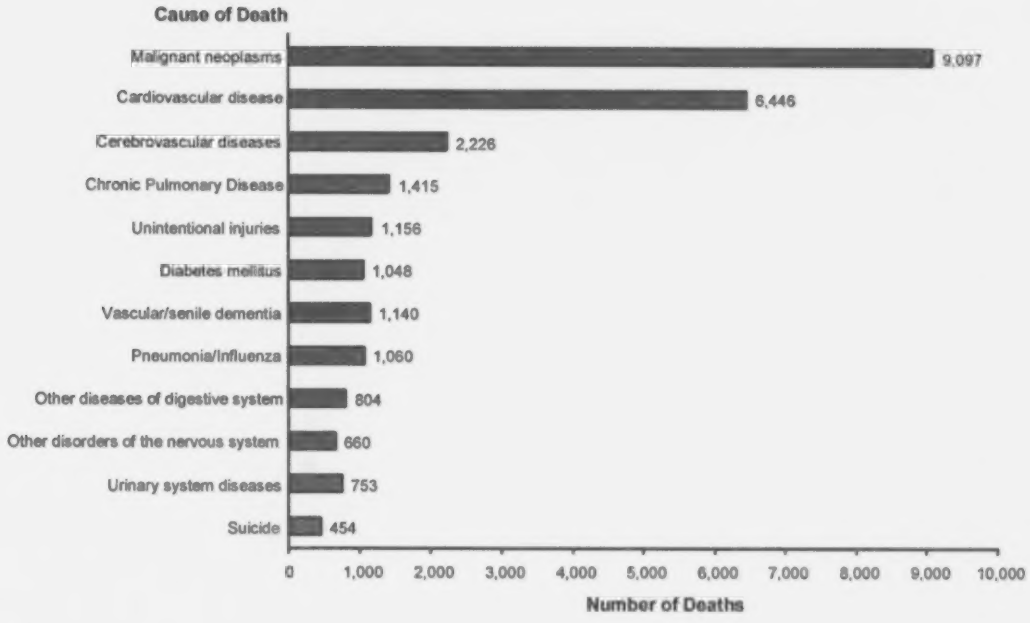


TABLE 23
LEADING CAUSES OF DEATH BY AGE AND GENDER
BRITISH COLUMBIA, 2010

Cause of Death	ICD-10 Code(s)	Male		Female		Total	
		Number	Percent	Number	Percent	Number	Percent
Under 1 Year Old							
1. Certain conditions originating in the perinatal period	P00-P96	51	56.7	47	64.4	98	60.1
2. Congenital malformations and chromosome abnormalities	Q00-Q99	14	15.6	14	19.2	28	17.2
3. Sudden infant death syndrome	R95	4	4.4	1	1.4	5	3.1
4. Certain infectious and parasitic diseases	A00-B99, G14	3	3.3	-	-	3	1.8
5. Other disorders of the nervous system	G00-G25, G31-G99	1	1.1	2	2.7	3	1.8
Other causes[1]		17	18.9	9	12.3	26	16.0
All causes		**90**	**100.0**	**73**	**100.0**	**163**	**100.0**
1-14 Years Old							
1. Malignant neoplasms	C00-C97	8	21.1	4	13.8	12	17.9
2. Unintentional injuries	V01-X59, Y40-Y86	6	15.8	5	17.2	11	16.4
3. Congenital malformations	Q00-Q99	4	10.5	4	13.8	8	11.9
4. Metabolic disorders	E70-E89	2	5.3	4	13.8	6	9.0
5. Suicide	X60-X84, Y870	1	2.6	2	6.9	3	4.5
Other causes[1]		17	44.7	10	34.5	27	40.3
All causes		**38**	**100.0**	**29**	**100.0**	**67**	**100.0**
15-24 Years Old							
1. Unintentional injuries	V01-X59, Y40-Y86, Y880-Y883	58	33.5	23	24.5	81	30.3
2. Suicide	X60-X84, Y870	48	27.7	11	11.7	59	22.1
3. Malignant neoplasms	C00-C97	6	3.5	15	16.0	21	7.9
4. Other disorders of the nervous system	G00-G25, G31-G99	9	5.2	4	4.4	13	4.9
5. Homicide	X85-Y09, Y871	5	2.9	2	2.1	7	2.6
Other causes[1]		47	27.2	39	41.5	86	32.2
All causes		**173**	**100.0**	**94**	**100.0**	**267**	**100.0**
25-44 Years Old							
1. Unintentional injuries	V01-X59, Y40-Y86, Y880-Y883	153	22.1	60	17.0	213	20.4
2. Malignant neoplasms	C00-C97	92	13.3	102	28.9	194	18.6
3. Suicide	X60-X84, Y870	117	16.9	27	7.6	144	13.8
4. Cardiovascular disease	I00-I51	53	7.7	23	6.5	76	7.3
5. Diseases of Liver	K70-K76	19	2.7	13	3.7	32	3.1
Other causes[1]		258	37.3	128	36.3	386	36.9
All causes		**692**	**100.0**	**353**	**100.0**	**1,045**	**100.0**

(concluded on next page)

Note: Order of leading causes based on total deaths in the specified age group.
[1]Other causes includes undetermined and pending. Total percentage may not add up to 100 due to rounding. Non-residents are excluded. The output from ICD-10 mortality coding and underlying cause of death selection was modified in BC to reflect the intent of certifiers in this jurisdiction and to provide greater continuity over time. Data using the standard ICD-10 rules for such categories as pneumonia/influenza, diabetes, or cancer should not be compared to the numbers shown above.

TABLE 23 – *concluded*

LEADING CAUSES OF DEATH BY AGE AND GENDER

BRITISH COLUMBIA, 2010

Cause of Death	ICD-10 Code(s)	Male		Female		Total	
		Number	Percent	Number	Percent	Number	Percent
45-64 Years Old							
1. Malignant neoplasms	C00-C97	1,107	35.9	1,099	56.1	2,206	43.8
2. Cardiovascular disease	I00-I51	561	18.2	158	8.1	719	14.3
3. Unintentional injuries	V01-X59, Y40-Y86, Y880-Y883	193	6.3	81	4.1	274	5.4
4. Diseases of liver	K70-K76	126	4.1	55	2.8	181	3.6
5. Suicide	X60-84, Y870	140	4.5	34	1.7	174	3.5
Other causes[1]		957	31.0	531	27.1	1,488	29.5
All causes		**3,084**	**100.0**	**1,958**	**100.0**	**5,042**	**100.0**
65-84 Years Old							
1. Malignant neoplasms	C00-C97	2,720	36.8	2,218	37.8	4,938	37.3
2. Cardiovascular disease	I00-I51	1,519	20.6	985	16.8	2,504	18.9
3. Cerebrovascular diseases	I60-I69	436	5.9	441	7.5	877	6.6
4. Chronic Pulmonary Disease	J40-J44	418	5.7	377	6.4	795	6.0
5. Diabetes mellitus	E10-E14	323	4.4	209	3.6	532	4.0
Other causes[1]		1,974	26.7	1,633	27.9	3,607	27.2
All causes		**7,390**	**100.0**	**5,863**	**100.0**	**13,253**	**100.0**
85 Years and Older							
1. Cardiovascular disease	I00-I51	1,222	27.6	1,922	28.0	3,144	27.8
2. Malignant neoplasms	C00-C97	819	18.5	905	13.2	1,724	15.2
3. Cerebrovascular diseases	I60-I69	380	8.6	789	11.5	1,169	10.3
4. Vascular/senile dementia	F01, F03	234	5.3	576	8.4	810	7.2
5. Pneumonia/Influenza	J09-J181, J188, J189	284	6.4	379	5.5	663	5.9
Other causes[1]		1,494	33.7	2,302	33.5	3,796	33.6
All causes		**4,433**	**100.0**	**6,873**	**100.0**	**11,306**	**100.0**

Notes for this table are on previous page.

Infant Mortality

BC had lower infant mortality rates than Canada as a whole from 1992 until 2007 the most recent year for which information on Canadian infant mortality rates is available (see Table 5). There were 163 infant deaths in BC in 2010 or 3.73 deaths per 1,000 live births. Twenty years ago, the rate was over 7 per 1,000 live births. This has progressively declined to the rates seen in the last few years.

Table 24 shows the number of infants who died in 2010 by birth weight and maternal age group. The first column has the mother's age group ranging from less than 20 years to 40 years or older. The infants' birth weights are grouped across the top of the table. Across the bottom and down the right side, the table shows row and column totals, percents, and rates per 1,000 live births. The difference in infant mortality rates across the 3 birth weight categories is quite distinct. For infants with birth weights of 2,500 grams or more, 0.95 per 1,000 live births in the same birth weight category died in their first year. In the 1,500-2,499 gram group the rate was 13.97 per 1,000 live births, and infants who weigh less than 1,500 grams had an infant mortality rate of 216.58 per 1,000 live births.

In the past decade there has been no significantly increasing or decreasing trend in the infant mortality rate.

Table 25 repeats the birth weight categories and general format shown in Table 24 but replaces maternal age groups with gestational age. Of the 163 infant deaths in 2010, there were 30 term births (37 to 41 weeks) with birth weights of 2,500 grams or more.

As expected, infant mortality tended to increase as birth weight and gestational age decrease. Of the infant deaths in the period, 44.2 percent were extremely premature (less than 28 weeks) with low birth weight (less than 2,500 grams), 66.9 percent were low birth weight, 70.6 percent were premature (less than 37 weeks) and 63.8 percent were both low birth weight and premature.

Table 26 shows infant mortality in each LHA of the infants' usual residence, for 2005-2009 and for the year 2010. The left two columns show the LHA number and name. The three columns for 2005-2009 show the number of infant deaths in the LHA (Observed Deaths), the ratio, and the rate of infant deaths per 1,000 live births. In this period, there were only 5 LHAs with statistically significant ratios (3 high and 2 low). For 2010, the table indicates the number of deaths in three age ranges: early neonatal (0 to 6 days), neonatal (0 to 27 days), and post-neonatal (28 to 364 days). The last two columns indicate the total number of infant deaths, and the infant death rate per 1,000 live births.

Causes of infant deaths and stillbirths are shown in Table 27. There were 163 infant deaths and 457 stillbirths in 2010. More than half (67.5 percent) of infant deaths in 2010 occurred in the early neonatal period, of those, 93.6 percent were due to congenital anomalies or perinatal conditions. In 2010, perinatal conditions were the cause of 60.1 percent of infant deaths and 92.8 percent of stillbirths.

TABLE 24
INFANT MORTALITY BY AGE OF MOTHER AND BIRTH WEIGHT
BRITISH COLUMBIA, 2010

Age of Mother	Birth Weight (in Grams)				Total		
	<1500	1500–2499	2500+	N.S.	Number	Percent	Rate
<20	2	-	3	-	5	3.1	3.81
20-24	13	4	12	2	31	19.0	5.38
25-29	29	4	10	2	45	27.6	3.67
30-34	14	8	11	2	35	21.5	2.46
35-39	17	10	2	1	30	18.4	3.66
40+	6	2	1	-	9	5.5	4.68
N.S.	-	-	-	8	8	4.9	
TOTAL	**81**	**28**	**39**	**15**	**163**	**100.0**	**3.73**
Percent	**49.7**	**17.2**	**23.9**	**9.2**	**100.0**		
Rate	**216.58**	**13.97**	**0.95**		**3.73**		

Note: Infant Mortality – Age at death less than one year.
Rate per 1,000 live births in the specified age or birth weight group.
+Denotes the number of cases is less than five.
Total percentage may not add up to 100 due to rounding.
Non-residents are excluded.
N.S. - Not stated.

TABLE 25
INFANT MORTALITY BY GESTATIONAL AGE AND BIRTH WEIGHT
BRITISH COLUMBIA, 2010

Gestational Age (In Weeks)	Birth Weight (in Grams)				Total		
	<1500	1500–2499	2500+	N.S.	Number	Percent	Rate
<20	9	-	-	-	9	5.5	1,125.00
20-27	62	1	-	1	64	39.3	395.06
28-36	10	22	9	1	42	25.8	13.62
37-41	-	5	30	4	39	23.9	0.97
42+	-	-	-	-	-	-	-
N.S.	-	-	-	9	9	5.5	
TOTAL	**81**	**28**	**39**	**15**	**163**	**100.0**	**3.73**
Percent	**49.7**	**17.2**	**23.9**	**9.2**	**100.0**		
Rate	**216.58**	**13.97**	**0.95**		**3.73**		

Note: Infant Mortality – Age at death less than one year.
Rate per 1,000 live births in the gestational age or birth weight group.
+ Denotes the number of cases is less than five.
Total percentage may not add up to 100 due to rounding.
Non-residents are excluded.
N.S. – Not stated.

Table 26

INFANT MORTALITY BY LOCAL HEALTH AREA, BRITISH COLUMBIA, 2005–2009 AND 2010

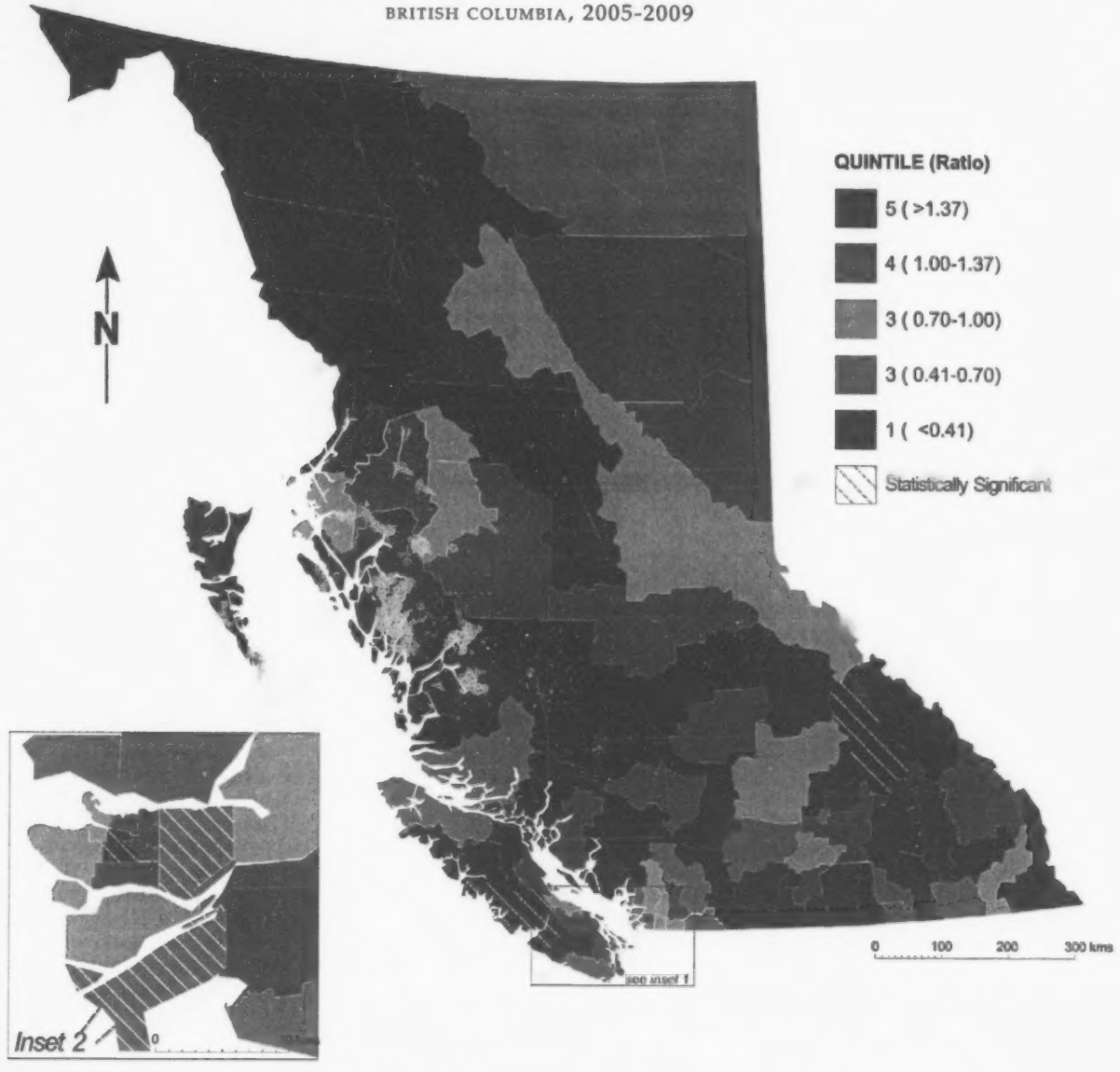
Local Health Area		2005–2009 Observed Deaths	Ratio	(p)	Rate	2010 Age at Death (in Days) 0–6	0–27	28–364	Total Number	Rate
001	Fernie	4	1.45		5.81	1	1	-	1	7.09
002	Cranbrook	4	0.84		3.27	-	1	-	1	3.58
003	Kimberley	2	1.40		5.42	-	-	-	-	-
004	Windermere	2	1.19		4.61	-	-	-	-	-
005	Creston	1	0.43		1.68	-	-	-	-	-
006	Kootenay Lake	-	-		-	1	1	-	1	29.41
007	Nelson	1	0.22		0.85	-	-	-	-	-
009	Castlegar	1	0.57		2.20	-	-	-	-	-
010	Arrow Lakes	-	-		-	-	-	-	-	-
011	Trail	2	0.65		2.51	-	-	-	-	-
012	Grand Forks	4	3.36		12.99	-	-	-	-	-
013	Kettle Valley	-	-		-	-	-	-	-	-
014	Southern Okanagan	1	0.41		1.59	-	-	-	-	-
015	Penticton	8	1.27		4.90	-	-	-	-	-
016	Keremeos	-	-		-	-	-	-	-	-
017	Princeton	-	-		-	-	-	-	-	-
018	Golden	2	1.48		5.75	-	-	-	-	-
019	Revelstoke	5	3.39	*	13.12	-	-	-	-	-
020	Salmon Arm	7	1.37		5.31	-	-	-	-	-
021	Armstrong - Spallumcheen	1	0.61		2.38	-	-	-	-	-
022	Vernon	14	1.30		5.05	-	-	-	-	-
023	Central Okanagan	24	0.80		3.10	6	8	3	11	6.61
024	Kamloops	17	0.88		3.41	5	5	1	6	5.74
025	100 Mile House	2	1.01		3.91	-	-	-	-	-
026	North Thompson	-	-		-	-	-	-	-	-
027	Cariboo - Chilcotin	10	1.79		6.92	-	1	-	1	3.75
028	Quesnel	6	1.24		4.79	1	1	1	2	8.66
029	Lillooet	1	1.09		4.22	1	1	-	1	20.83
030	South Cariboo	3	2.53		9.80	-	-	-	-	-
031	Merritt	1	0.42		1.64	-	-	1	1	9.43
032	Hope	3	2.11		8.17	-	-	1	1	16.39
033	Chilliwack	13	0.68		2.61	5	6	1	7	6.90
034	Abbotsford	29	0.88		3.42	9	10	-	10	5.79
035	Langley	22	0.85		3.27	3	3	1	4	2.91
037	Delta	7	0.42	*	1.81	2	3	-	3	3.56
038	Richmond	25	0.77		2.98	3	3	2	5	3.02
040	New Westminster	9	0.89		2.66	5	6	1	7	10.09
041	Burnaby	29	0.67	*	2.60	2	2	1	3	1.36
042	Maple Ridge	14	0.77		2.98	4	4	-	4	4.14
043	Coquitlam	33	0.81		3.15	8	8	-	8	3.79
044	North Vancouver	15	0.84		2.49	1	1	-	1	0.85
045	West Vancouver-Bowen Island	3	0.56		2.16	-	-	-	-	-
046	Sunshine Coast	6	1.48		5.72	-	1	-	1	4.52
047	Powell River	3	1.13		4.39	1	1	-	1	6.80
048	Howe Sound	13	1.50		5.82	1	1	-	1	2.12
049	Bella Coola Valley	2	2.33		9.01	-	-	-	-	-
050	Queen Charlotte	3	3.46		13.39	-	-	-	-	-
051	Snow Country	1	9.57		37.04	-	-	-	-	-
052	Prince Rupert	3	0.90		3.47	-	-	-	-	-
053	Upper Skeena	1	0.79		3.04	1	1	-	1	16.13
054	Smithers	4	0.95		3.69	-	-	1	1	4.35
055	Burns Lake	2	1.16		4.48	1	1	-	1	16.13
056	Nechako	8	1.90		7.34	-	2	-	2	8.44
057	Prince George	18	0.84		3.26	2	3	2	5	4.65
059	Peace River South	8	1.29		4.98	2	2	1	3	9.77
060	Peace River North	12	1.07		4.14	-	1	-	1	1.67
061	Greater Victoria	36	1.04		4.01	9	10	-	10	5.48
062	Sooke	9	0.68		2.62	3	3	2	5	6.05
063	Saanich	10	1.32		5.13	-	-	-	-	-
064	Gulf Islands	2	1.17		4.55	-	-	-	-	-
065	Cowichan	14	1.36		5.26	1	1	-	1	1.92
066	Lake Cowichan	3	3.54		13.70	-	-	-	-	-
067	Ladysmith	4	1.37		5.32	-	-	-	-	-
068	Nanaimo	23	1.35		5.21	2	2	-	2	2.13
069	Qualicum	4	0.83		3.22	-	-	1	1	3.88
070	Alberni	15	2.30	*	8.91	-	-	3	3	9.01
071	Courtenay	10	1.06		4.11	2	2	-	2	3.58
072	Campbell River	12	1.61		6.22	2	2	-	2	5.78
075	Mission	11	1.25		4.83	1	1	-	1	2.14
076	Agassiz - Harrison	1	0.53		2.06	1	1	-	1	11.90
077	Summerland	-	-		-	-	-	-	-	-
078	Enderby	-	-		-	-	-	-	-	-
080	Kitimat	-	-		-	-	-	-	-	-
081	Fort Nelson	1	0.52		2.01	-	-	-	-	-
083	Central Coast	2	3.47		13.42	-	-	-	-	-
084	Vancouver Island West	1	2.29		8.85	-	-	-	-	-
085	Vancouver Island North	2	0.67		2.61	-	-	-	-	-
087	Stikine	-	-		-	-	-	-	-	-
088	Terrace	6	1.25		4.85	-	-	2	2	8.77
092	Nisga'a	-	-		-	-	-	-	-	-
094	Telegraph Creek	-	-		-	-	-	-	-	-
101	Vancouver - City Centre	13	0.72		2.78	2	2	-	2	1.88
102	Vancouver - Dwtn Eastside	10	1.07		4.15	-	-	-	-	-
103	Vancouver - North East	22	1.03		3.98	1	1	1	2	1.89
104	Vancouver - Westside	21	0.95		3.67	-	1	1	2	1.83
105	Vancouver - Midtown	39	1.96	*	7.57	9	9	-	9	9.42
106	Vancouver - South	35	1.37		5.31	4	4	1	5	4.19
201	Surrey	111	1.17		4.54	8	9	6	15	2.88
202	South Surrey/White Rock	5	0.47		1.83	2	3	-	3	4.70
	PROVINCIAL TOTAL	**831**	**1.00**		**3.87**	**110**	**129**	**34**	**163**	**3.73**

Notes for this table follow the map.

FIGURE 36

INFANT MORTALITY BY LOCAL HEALTH AREA

BRITISH COLUMBIA, 2005-2009



Notes to Table 26
Note: *Statistical testing indicates that observed deaths are significantly different from the expected deaths ($p<0.05$, two tailed). +Denotes significance based on less than five deaths. Rate per 1,000 live births in the specified LHA. Ratio – observed over the expected deaths. Non- residents are excluded. Total includes residents with unknown LHA.

Note: Ratio - Observed over the expected. Refer to Figure 1 to clarify geographical location of L HAs.

TABLE 27
SELECTED CAUSES OF INFANT DEATHS AND STILLBIRTHS
BRITISH COLUMBIA, 2010

Cause of Death	ICD-10 Code(s)	Infant Deaths – Age Group (in Days) <7	7–27	28–364	Total	Rate [1]	Stillbirths Number	Rate [2]
Congenital anomalies								
- of the nervous system	Q00-Q07	3	1	-	4	0.92	4	0.91
- of the eye, ear, face & neck	Q10-Q18	-	-	-	-	-	-	-
- of the heart and circulatory system	Q20-Q28	5	-	2	7	1.60	6	1.36
- of the respiratory system	Q30-Q34	-	-	-	-	-	-	-
- of the digestive system	Q35-Q45	-	-	-	-	-	-	-
- of the genital organs	Q50-Q56	-	-	-	-	-	-	-
- of the urinary system	Q60-Q64	4	-	-	4	0.92	-	-
- of the musculoskeletal system	Q65-Q79	2	-	1	3	0.69	-	-
Other and multiple system syndromes	Q80-Q89	-	-	1	1	0.23	6	1.36
Chromosomal anomalies	Q90-Q99	8	-	1	9	2.06	7	1.59
Total deaths due to congenital anomalies	**Q00-Q99**	**22**	**1**	**5**	**28**	**6.41**	**23**	**5.21**
Perinatal conditions								
Infant affected by maternal factors	P00-P04	33	-	-	33	7.56	102	23.12
Premature/postmature and fetal growth disorders	P05-P08	18	3	2	23	5.27	6	1.36
Birth trauma	P10-P15	-	-	-	-	-	-	-
Respiratory and cardiovascular disorders	P20-P29	13	6	1	20	4.58	7	1.59
Infections specific to the perinatal period	P35-P39	1	2	-	3	0.69	1	0.23
Hemorrhage and hematological disorders	P50-P61	2	1	-	3	0.69	1	0.23
Transitory endocrine and metabolic disorders	P70-P74	-	-	-	-	-	1	0.23
Digestive system disorders of fetus and newborn	P75-P78	-	1	-	1	0.23	-	-
Other disorders originating in the perinatal period	P80-P94, P96	14	1	-	15	3.44	228	51.67
Fetal death of unknown cause	P95	-	-	-	-	-	78	17.68
Total deaths due to perinatal conditions	**P00-P96**	**81**	**14**	**3**	**98**	**22.44**	**424**	**96.09**
Pneumonia/influenza	J09-J18.1, J18.8-J18.9	-	-	1	1	0.23	-	-
Sudden infant death syndrome (SIDS)[3]	R95	-	1	4	5	1.15	-	-
Other causes[3]		7	3	21	31	7.10	10	2.27
TOTAL		**110**	**19**	**34**	**163**	**37.33**	**457**	**103.57**
PERCENT		**67.5**	**11.7**	**20.9**	**100.0**			

Note: [1]Rate per 10,000 live births.
[2]Rate per 10,000 total births (live births plus stillbirths).
[3] Some of the infant deaths that were still under investigation (ICD-10 code R99) may later be identified as SIDS. The BC Coroners' Service classifies SIDS deaths as "SUDI" - please see glossary (under "SIDS") for explanation.
Non-residents are excluded.

Deaths Due to HIV

Mortality due to Human Immunodeficiency Virus (HIV) peaked in 1995 and has seen a general downward trend since then.

Table 28 shows the number of deaths due to HIV from 1995 to 2010 broken out by gender and six age groups. The percentage of the total deaths in each year is shown for each age group. At the bottom of the table are counts and percentages for the entire time period. Figure 37 shows that in the period from 2005-2010 most deaths due to HIV disease in BC occurred in individuals who were between 40 and 49 years of age.

Table 29 shows that the yearly numbers of HIV deaths over the past ten years numbers have fluctuated with no significantly increasing or decreasing trend. The HSDA 32-Vancouver had the highest mortality rate (13.03 deaths per 100,000 population), from 1995 to 2010.

FIGURE 37
DEATHS DUE TO HIV DISEASE BY AGE GROUP
BRITISH COLUMBIA, 2005–2010

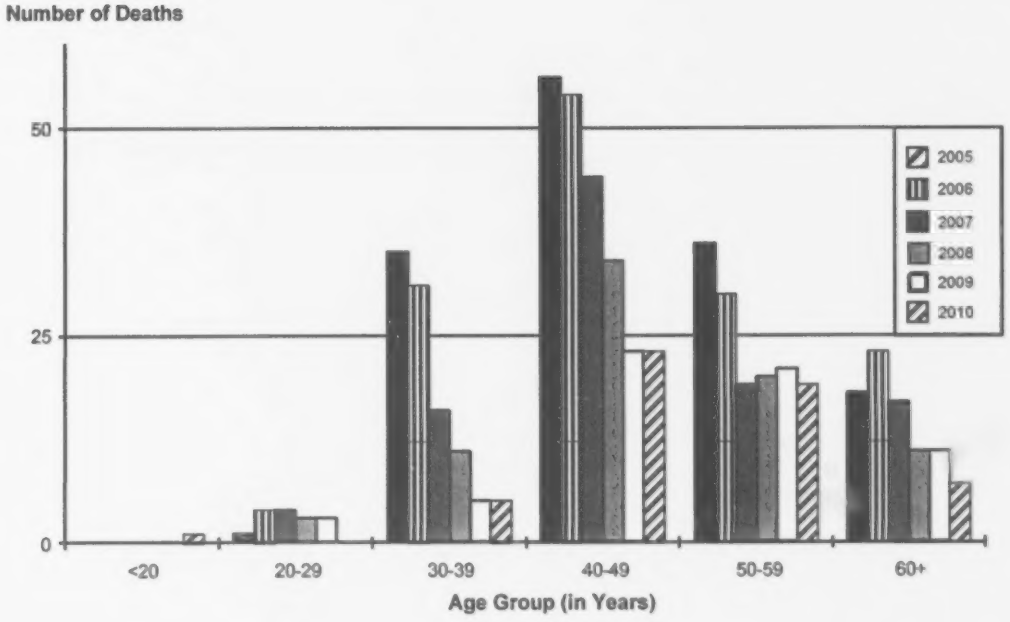


TABLE 28
DEATHS DUE TO HIV DISEASE BY GENDER AND AGE GROUP
BRITISH COLUMBIA, 1995–2010

Year of Death	Gender	Age at Death (in Years) <20	20–29	30–39	40–49	50–59	60+	Total
1995	M	-	17	116	103	31	9	276
	F	-	6	7	4	1	1	19
	T	-	23	123	107	32	10	295
	Percent	-	7.8	41.7	36.3	10.8	3.4	100.0
1996	M	3	9	107	73	34	10	236
	F	-	4	6	6	-	1	17
	T	3	13	113	79	34	11	253
	Percent	1.2	5.1	44.7	31.2	13.4	4.3	100.0
1997	M	-	11	40	33	11	6	101
	F	-	2	7	4	1	2	16
	T	-	13	47	37	12	8	117
	Percent	-	11.1	40.2	31.6	10.3	6.8	100.0
1998	M	-	6	32	44	7	4	93
	F	-	4	8	3	1	1	17
	T	-	10	40	47	8	5	110
	Percent	-	9.1	36.4	42.7	7.3	4.5	100.0
1999	M	1	3	37	32	13	4	90
	F	-	-	4	7	2	-	13
	T	1	3	41	39	15	4	103
	Percent	1.0	2.9	39.8	37.9	14.6	3.9	100.0
2000	M	-	5	31	31	23	8	98
	F	-	4	6	9	3	2	24
	T	-	9	37	40	26	10	122
	Percent	-	7.4	30.3	32.8	21.3	8.2	100.0
2001	M	-	-	30	33	19	9	91
	F	-	4	8	4	3	1	20
	T	-	4	38	37	22	10	111
	Percent	-	3.6	34.2	33.3	19.8	9.0	100.0
2002	M	-	4	20	37	15	8	84
	F	-	1	6	12	3	-	22
	T	-	5	26	49	18	8	106
	Percent	-	4.7	24.5	46.2	17.0	7.5	100.0
2003	M	-	2	34	26	32	10	104
	F	-	4	6	10	3	-	23
	T	-	6	40	36	35	10	127
	Percent	-	4.7	31.5	28.3	27.6	7.9	100.0
2004	M	-	-	17	30	29	10	86
	F	-	1	7	8	1	2	19
	T	-	1	24	38	30	12	105
	Percent	-	1.0	22.9	36.2	28.6	11.4	100.0
2005	M	-	1	27	43	31	18	120
	F	-	-	8	13	5	-	26
	T	-	1	35	56	36	18	146
	Percent	-	0.7	24.0	38.4	24.7	12.3	100.0
2006	M	-	2	22	43	27	20	114
	F	-	2	9	11	3	3	28
	T	-	4	31	54	30	23	142
	Percent	-	2.8	21.8	38.0	21.1	16.2	100.0
2007	M	-	1	15	34	16	14	80
	F	-	3	1	10	3	3	20
	T	-	4	16	44	19	17	100
	Percent	-	4.0	16.0	44.0	19.0	17.0	100.0
2008	M	-	1	7	28	14	10	60
	F	-	2	4	6	6	1	19
	T	-	3	11	34	20	11	79
	Percent	-	3.8	13.9	43.0	25.3	13.9	100.0
2009	M	-	2	3	18	19	11	53
	F	-	1	2	5	2	-	10
	T	-	3	5	23	21	11	63
	Percent	-	4.8	7.9	36.5	33.3	17.5	100.0
2010	M	-	-	3	17	15	7	42
	F	1	-	2	6	4	-	13
	T	1	-	5	23	19	7	55
	Percent	1.8	-	9.1	41.8	34.5	12.7	100.0
1995-2010	**M**	**4**	**64**	**541**	**625**	**336**	**158**	**1,728**
	F	**1**	**38**	**91**	**118**	**41**	**17**	**306**
	T	**5**	**102**	**632**	**743**	**377**	**175**	**2,034**
	Percent	**0.2**	**5.0**	**31.1**	**36.5**	**18.5**	**8.6**	**100.0**

Note: HIV Disease – ICD-10 codes B20–B24.
Total percentage may not add up to 100 due to rounding. Non-residents are excluded.

TABLE 29
DEATHS DUE TO HIV DISEASE BY HEALTH SERVICE DELIVERY AREA
BRITISH COLUMBIA, 1995–2010

	Health Service Delivery Area	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	1995–2010 Number	Percent	Rate
11	East Kootenay	1	-	2	-	-	-	1	-	1	-	1	-	-	-	-	-	6	0.3	0.56
12	Kootenay Boundary	3	2	-	1	1	-	-	2	-	1	-	2	-	2	-	-	14	0.7	1.28
13	Okanagan	9	7	2	4	2	3	3	3	6	2	5	11	1	2	2	3	65	3.2	1.45
14	Thompson Cariboo Shuswap	-	3	2	2	2	2	6	2	4	6	2	4	3	1	3	1	43	2.1	1.43
21	Fraser East	6	7	1	5	3	3	2	4	1	5	6	4	1	3	2	2	55	2.7	1.52
22	Fraser North	21	15	8	6	7	11	8	10	10	8	8	10	7	6	3	12	150	7.4	1.93
23	Fraser South	17	23	6	4	11	7	11	10	8	5	12	9	13	5	5	5	151	7.4	1.71
31	Richmond	4	4	5	2	2	1	1	-	1	2	3	1	1	2	1	-	30	1.5	1.20
32	Vancouver	182	146	66	65	53	73	60	62	74	50	78	67	42	27	31	17	1,093	53.7	13.03
33	North Shore/ Coast Garibaldi	12	11	7	5	5	3	3	2	6	3	7	5	6	7	2	1	85	4.2	2.27
41	South Vancouver Island	17	21	10	10	13	7	9	3	8	9	9	17	11	11	6	2	163	8.0	3.33
42	Central Vancouver Island	14	6	4	3	4	8	4	4	4	5	6	3	7	4	5	4	85	4.2	2.48
43	North Vancouver Island	2	1	1	-	-	4	2	-	1	2	3	2	-	2	-	1	21	1.0	1.30
51	Northwest	2	1	-	-	-	-	-	-	-	1	2	-	2	3	1	3	15	0.7	1.34
52	Northern Interior	4	5	2	2	-	-	1	3	3	5	4	7	6	2	2	1	47	2.3	2.29
53	Northeast	1	-	-	1	-	-	-	1	-	1	-	-	-	1	-	1	6	0.3	0.66
	N.S.	-	1	1	-	-	-	-	-	-	-	-	-	-	1	-	2	5	0.2	
	PROVINCIAL TOTAL	**295**	**253**	**117**	**110**	**103**	**122**	**111**	**106**	**127**	**105**	**146**	**142**	**100**	**79**	**63**	**55**	**2,034**	**100.0**	**3.47**

Note: Health Service Delivery Area based on usual residence.
Rate per 100,000 population in specified area.
Total percentage may not add up to 100 due to rounding.
Non-residents are excluded. N.S. – Not stated.

External Causes of Death

Table 30 shows the number of deaths for males and females from "external causes" which include unintentional deaths, deaths due to suicide, homicide, and deaths where intent was undetermined. Also shown are ASMRs. These rates of death per 10,000 standard population are used to compare statistics from other time periods and other jurisdictions. The Glossary explains ASMR and the Methodology section gives an example of the calculation method.

During 2010, there were 1,669 deaths due to external causes or approximately 54 external cause deaths for each 1,000 deaths in BC (see Table 30).

Of the 1,669 deaths:

- 454 were suicides
- 240 were motor vehicle accidents
- 493 were unintentional falls
- 259 were unintentional poisonings
- 34 were accidental drownings
- 35 were homicides
- 76 were due to other external causes

Males accounted for 65.4 percent of deaths by external causes as shown in Table 30. The leading four causes of external deaths in males in 2010 (in ASMR rank order) were suicide (1.50), accidental falls (0.77), accidental poisoning (0.74), and motor vehicle accidents (0.66). For females, the leading four (in ASMR rank order) were accidental falls (0.56), suicide (0.35), accidental poisoning (0.34), and motor vehicle accidents (0.33).

Table 31 shows the allocation of external death causes according to the LHA of the deceased's usual residence. The highest ASMRs in 2010 are found in the following LHAs (with 5 or more deaths): Vancouver Island North (11.17), Keremeos (10.28), Agassiz - Harrison (8.33), Fort Nelson (8.06), and Fernie (7.53).

Table 32 shows the number of deaths from suicide classified by month of occurrence and by gender. Percentages across months are also given. In 2010, there were about 4.0 times more male suicides than female suicides. The data for 2010 shows that December was the month with the fewest number of suicides (21) while May was the month with the highest number of suicides (55).

Coroner's investigations into "externally caused" deaths can be lengthy, resulting in delays in determining the final causes. For this reason, recent year counts and rates may be underestimated and therefore should be interpreted with caution.

TABLE 30
EXTERNAL CAUSES OF DEATH BY GENDER
BRITISH COLUMBIA, 2010

Cause of Death	ICD-10 Code	Male		Female		Total	
		Number	ASMR	Number	ASMR	Number	ASMR
Motor vehicle accidents	V02-V04, V09, V12-V14, V190-V196, V20-V79, V803-V805, V820-V821, V823-V890, V892, V899, Y850	159	0.66	81	0.33	240	0.49
Other transport accidents	V01, V05-V06, V10-V11, V15-V18, V198-V199, V800-V802, V806-V809, V812-V819, V822-V829, V891, V893, V91, V93-V99, Y859	14	0.06	3	0.01	17	0.03
Accidental drowning (inc water transport)	V90, V92, W65-W74	27	0.11	7	0.03	34	0.07
Accidental falls	W00-W19	231	0.77	262	0.56	493	0.66
Accident caused by machinery	W24, W28-W31	4	0.01	-	-	4	0.01
Accidental firearm discharge	W32-W34	1	0.00	-	-	1	0.00
Exposure to smoke, fire and flames	X00-X09	17	0.07	8	0.03	25	0.05
Accidental poisoning	X40-X49	175	0.74	84	0.34	259	0.54
All other accidents	W20-W23, W25-W27, W35-W64, W75-W99, X10-X39, X50-X59, Y35-Y36, Y40-Y84, Y88	45	0.17	31	0.08	76	0.12
Suicide	X60-X84, Y870	364	1.50	90	0.35	454	0.92
Homicide	X85-Y09, Y871	31	0.15	4	0.02	35	0.08
External events of undetermined intent	Y10-Y34, Y872	16	0.06	8	0.03	24	0.05
Sequelae of other external causes	Y86, Y89	7	0.02	-	-	7	0.01
TOTAL		**1,091**	**4.33**	**578**	**1.77**	**1,669**	**3.02**

Note: ASMR – Age Standardized Mortality Rate per 10,000 standard population (Canada 1991 Census).
Non-residents are excluded.

Local Health Area		Motor Vehicle Accidents	Other Transport Accidents	Unintentional		Fire/ Flames	Unintentional Drowning	Suicide	Homicide	Other	Total	
				Poisoning	Falls						Deaths	ASMR
001	Fernie	2	-	1	5	-	1	3	-	-	12	7.53
002	Cranbrook	4	-	1	2	1	-	6	2	1	17	5.94
003	Kimberley	1	-	1	-	-	-	-	-	-	2	2.45
004	Windermere	2	1	-	2	-	-	2	-	-	7	5.56
005	Creston	2	-	-	7	-	-	3	-	2	14	6.98
006	Kootenay Lake	-	-	-	-	-	-	1	-	-	1	3.13
007	Nelson	-	-	-	5	-	1	4	-	-	10	2.80
009	Castlegar	1	1	1	3	-	1	-	-	1	8	3.82
010	Arrow Lakes	-	-	-	2	-	-	-	-	2	4	4.08
011	Trail	1	-	1	4	-	-	1	-	-	7	2.79
012	Grand Forks	2	-	-	3	-	1	1	-	-	7	6.03
013	Kettle Valley	-	-	-	-	-	-	1	-	-	1	1.35
014	Southern Okanagan	1	-	-	3	-	-	3	-	1	8	3.52
015	Penticton	1	-	1	14	-	-	5	-	-	21	2.41
016	Keremeos	1	-	1	1	-	1	1	-	1	6	10.28
017	Princeton	-	-	-	-	-	-	1	-	-	1	3.80
018	Golden	-	-	-	1	-	-	-	-	-	1	1.17
019	Revelstoke	-	-	-	1	-	-	2	-	-	3	2.63
020	Salmon Arm	1	1	4	8	-	2	8	-	2	26	6.60
021	Armstrong - Spallumcheen	-	-	-	1	-	-	1	-	1	3	1.54
022	Vernon	6	-	5	6	1	-	9	1	2	30	4.05
023	Central Okanagan	7	4	5	15	1	2	19	-	8	61	2.57
024	Kamloops	12	2	12	15	-	4	12	-	2	59	4.98
025	100 Mile House	3	-	-	2	1	1	2	-	-	9	3.44
026	North Thompson	1	-	1	-	-	-	1	-	-	3	7.54
027	Cariboo - Chilcotin	5	-	1	5	-	-	3	-	4	18	6.26
028	Quesnel	8	-	4	2	-	1	3	-	1	19	7.31
029	Lillooet	-	-	1	1	-	-	1	-	-	3	6.61
030	South Cariboo	-	-	-	-	-	-	2	-	-	2	3.21
031	Merritt	1	-	2	1	-	-	3	1	-	8	5.84
032	Hope	2	-	1	2	-	1	2	-	-	8	7.51
033	Chilliwack	2	-	4	15	2	1	7	1	1	33	2.68
034	Abbotsford	10	1	13	13	-	2	4	2	3	48	2.97
035	Langley	4	-	9	7	-	-	11	-	2	33	2.25
037	Delta	5	-	3	15	-	1	8	-	5	37	3.03
038	Richmond	5	-	5	20	-	-	11	-	7	48	1.93
040	New Westminster	6	-	4	4	-	-	4	-	1	19	2.32
041	Burnaby	3	-	12	13	2	1	18	2	4	55	1.92
042	Maple Ridge	6	-	8	4	-	-	4	1	1	24	2.12
043	Coquitlam	4	1	8	19	-	-	11	3	4	50	2.20
044	North Vancouver	3	-	3	12	-	1	13	-	1	33	2.02
045	West Vancouver-Bowen Island	1	-	1	9	2	-	2	-	-	15	1.70
046	Sunshine Coast	1	-	1	3	-	1	6	-	-	12	3.82
047	Powell River	3	-	1	2	-	-	4	-	2	12	7.40
048	Howe Sound	1	-	-	6	-	-	3	-	-	10	2.89
049	Bella Coola Valley	-	-	-	-	-	-	-	-	2	2	5.69
050	Queen Charlotte	-	-	2	-	-	-	-	-	-	2	3.61
051	Snow Country	-	-	-	-	-	-	1	-	-	1	14.33
052	Prince Rupert	1	-	1	4	-	1	2	-	-	9	5.15
053	Upper Skeena	2	-	1	-	-	-	1	-	-	4	7.54
054	Smithers	1	-	1	-	-	-	2	1	-	5	3.52
055	Burns Lake	4	-	2	-	-	-	-	-	-	6	5.97
056	Nechako	1	-	1	1	-	-	3	-	1	7	4.92
057	Prince George	13	-	3	7	-	-	15	2	3	43	4.37
059	Peace River South	6	-	-	3	-	-	2	-	1	12	4.01
060	Peace River North	7	-	-	2	-	-	5	-	2	16	4.90
061	Greater Victoria	12	1	18	48	1	-	32	2	6	120	3.44
062	Sooke	4	-	3	7	-	-	8	-	-	22	3.07
063	Saanich	-	-	2	17	-	1	6	-	4	30	3.18
064	Gulf Islands	-	-	-	1	-	1	2	-	-	4	1.72
065	Cowichan	4	-	3	8	1	-	7	-	2	25	3.79
066	Lake Cowichan	1	-	-	-	-	-	2	-	-	3	5.22
067	Ladysmith	1	1	-	4	-	-	2	-	-	8	2.91
068	Nanaimo	3	1	10	12	1	-	12	1	1	41	3.11
069	Qualicum	3	-	2	6	-	-	2	-	1	14	1.99
070	Alberni	1	-	1	6	-	2	4	-	-	14	4.35
071	Courtenay	2	1	2	9	-	-	9	-	3	26	3.85
072	Campbell River	3	-	6	7	1	-	11	1	-	29	6.71
075	Mission	6	-	6	3	1	-	3	-	1	20	4.19
076	Agassiz - Harrison	3	-	1	-	-	-	1	-	1	6	8.33
077	Summerland	3	-	-	3	-	-	3	-	-	9	6.11
078	Enderby	-	-	1	4	-	-	1	-	-	6	4.89
080	Kitimat	-	-	2	1	-	-	-	-	-	3	2.21
081	Fort Nelson	3	-	-	-	-	-	1	1	-	5	8.06
083	Central Coast	-	-	-	-	-	-	-	-	-	-	-
084	Vancouver Island West	-	-	-	-	-	-	-	-	-	-	-
085	Vancouver Island North	2	-	1	1	3	3	4	-	-	14	11.17
087	Stikine	-	-	-	-	-	-	-	-	-	-	-
088	Terrace	4	-	3	1	-	-	7	-	1	16	6.63
092	Nisga'a	1	-	-	-	-	-	-	-	-	1	3.86
094	Telegraph Creek	-	-	-	1	-	-	1	-	-	2	27.36
161	Vancouver - City Centre	1	-	8	6	-	-	16	1	3	35	2.31
162	Vancouver - Downtown E.side	1	-	21	2	-	-	21	-	2	47	5.18
163	Vancouver - North East	-	-	1	7	1	-	9	1	-	19	1.49
164	Vancouver - Westside	1	-	6	12	1	1	6	-	1	28	1.55
165	Vancouver - Midtown	2	1	1	4	1	-	5	1	3	18	1.71
166	Vancouver - South	4	-	4	15	2	-	9	3	1	38	2.05
201	Surrey	17	1	25	20	1	2	27	5	10	108	2.63
202	South Surrey/White Rock	4	-	5	18	1	-	5	3	2	38	3.13
	PROVINCIAL TOTAL	**240**	**17**	**259**	**483**	**25**	**34**	**454**	**35**	**112**	**1,669**	**3.82**
	PERCENT	**14.4**	**1.0**	**15.5**	**29.5**	**1.5**	**2.0**	**27.2**	**2.1**	**6.7**	**100.0**	

Notes for table follow table 32.

TABLE 32
SUICIDE DEATHS BY MONTH AND GENDER
BRITISH COLUMBIA, 2010

Month	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
January	33	9.1	8	8.9	41	9.0
February	32	8.8	7	7.8	39	8.6
March	29	8.0	16	17.8	45	9.9
April	27	7.4	9	10.0	36	7.9
May	45	12.4	10	11.1	55	12.1
June	26	7.1	6	6.7	32	7.0
July	36	9.9	5	5.6	41	9.0
August	30	8.2	7	7.8	37	8.1
September	41	11.3	2	2.2	43	9.5
October	29	8.0	11	12.2	40	8.8
November	20	5.5	4	4.4	24	5.3
December	16	4.4	5	5.6	21	4.6
TOTAL	**364**	**100.0**	**90**	**100.0**	**454**	**100.0**

Note: Suicide Deaths – ICD-10 codes X60–X84, Y87.0.
Total percentage may not add up to 100 due to rounding.
Non-residents are excluded.

Notes to Table 31

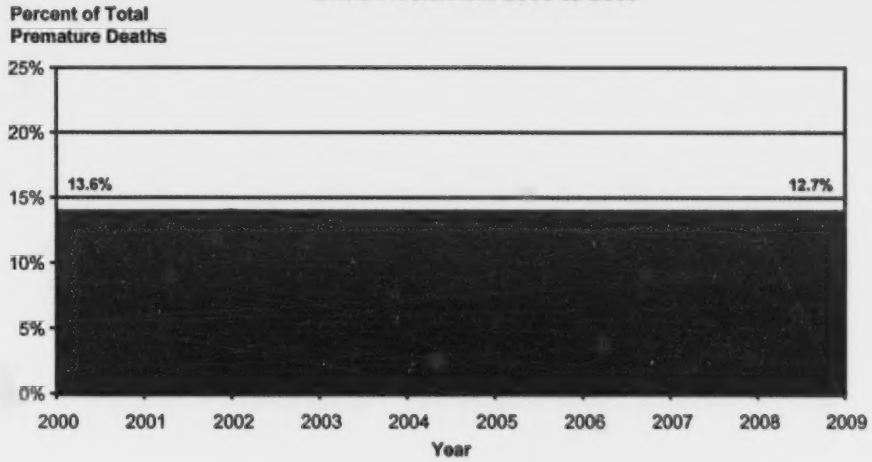
Note: Based on usual residence. ASMR – per 10,000 standard population (Canada 1991 Census). PERCENT – Provincial total for each cause as a percent of the Provincial total for all deaths from external causes. Other is comprised of accident caused by machinery, accidental firearm discharge, all other accidents, external event of undetermined intent, and sequelae of other external causes. Total includes residents with unknown LHA.

Vital Statistics Information Box

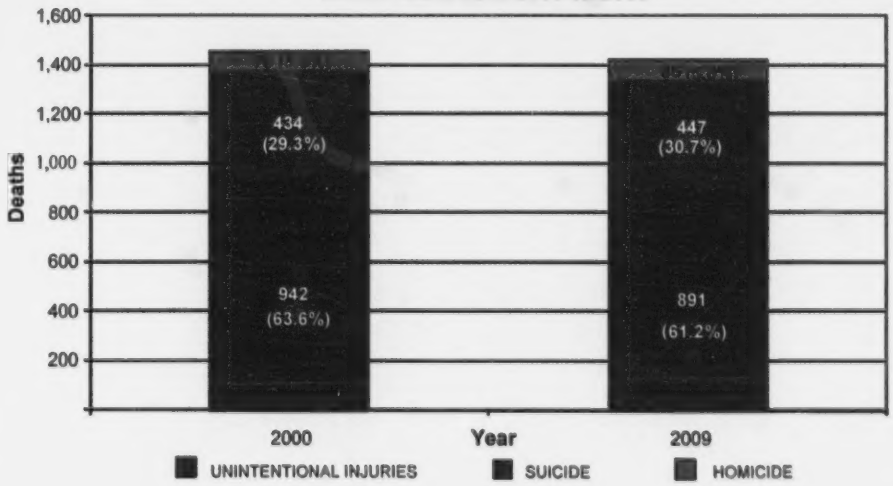
Premature (<75 years) External Causes of Death in British Columbia, 2000 to 2009

From 2000 to 2009, deaths among those under the age of 75 have accounted for just 38.1 percent of all deaths; however, 78.2 percent of deaths from external causes were in this age group. The share of premature deaths attributable to external causes has fallen from 13.6 percent in 2000 to 12.7 percent in 2009. Unintentional injuries account for the vast majority (61.2 percent in 2009) of deaths from external causes among those under the age of 75.

Share of Premature Mortality Attributable to External Causes, British Columbia 2000 to 2009



Deaths Under the Age of 75 Years due to Unintentional Injuries, Homicide and Suicide, British Columbia 2000 to 2009



Mortality Due to All Causes of Death

Table 33 shows the number of deaths from all causes in each LHA for 2010 and the previous five-year period. The Standardized Mortality Ratio (SMR) columns compare the actual number of deaths in the LHA (observed) with the number that would be expected if the LHA had the same age-specific death rates as the whole province.

Table 33 also shows 95 percent confidence intervals for the SMR, which provides a measure of its variability. Near half (44) of LHAs had statistically significant ratios in 2010 (30 high and 14 low), 60 LHAs had statistically significant ratios (45 high and 15 low) in the period of 2005-2009, and 39 LHAs had statistically significant ratios (27 high and 12 low) in both 2010 and the previous five-year period.

In 2010, the LHAs with the five highest statistically significant SMRs were Central Coast (2.12), Telegraph Creek (1.77), Vancouver Island North (1.76), Fort Nelson (1.75), and Snow Country (1.62).

Figure 38 shows the SMRs grouped into colour-coded quintiles. The map provides a graphical view of the provincial variation of SMRs. Lower ratios were more frequently observed in the south and higher ratios in central and northern BC.

Vital Statistics Information Box

Deaths Aged 65+ by Gender and Health Service Delivery Area

British Columbia, 2010

Health Service Delivery Area	Gender	Age at Death									%
		65-69	70-74	75-79	80-84	85-89	90-94	95-99	100+	Total	65+
11 East Kootenay	M	23	44	48	54	44	28	6	1	320	77.5%
	F	10	24	31	52	60	48	15	2	296	81.8%
12 Kootenay Boundary	M	27	34	48	61	67	28	9	2	383	72.1%
	F	18	36	43	56	78	59	33	4	391	83.6%
13 Okanagan	M	116	165	243	301	285	168	69	9	1,690	80.2%
	F	95	122	157	260	378	263	139	15	1,634	87.5%
14 Thompson Cariboo Shuswap	M	93	133	148	159	125	47	22	2	1,020	71.5%
	F	65	95	94	122	138	88	41	8	809	80.5%
21 Fraser East	M	88	97	141	158	152	80	38	3	1,009	75.0%
	F	76	95	120	153	186	164	67	15	1,030	85.0%
22 Fraser North	M	124	181	215	251	279	164	48	6	1,704	74.4%
	F	99	130	185	256	332	292	110	28	1,737	82.4%
23 Fraser South	M	190	184	279	331	320	216	62	12	2,204	72.3%
	F	121	156	208	331	435	357	139	25	2,106	84.1%
31 Richmond	M	38	48	67	71	76	41	9	0	450	77.8%
	F	30	29	52	68	93	80	36	12	479	83.5%
32 Vancouver	M	139	169	248	270	263	175	73	12	1,864	72.4%
	F	82	106	165	243	325	290	169	58	1,706	84.3%
33 North Shore/Coast Garibaldi	M	69	82	126	139	149	94	41	4	896	78.6%
	F	40	49	75	136	194	159	87	18	906	83.7%
41 South Vancouver Island	M	103	110	191	244	287	192	66	12	1,542	78.1%
	F	84	85	162	234	385	316	175	30	1,677	87.7%
42 Central Vancouver Island	M	114	134	169	203	206	132	30	8	1,312	75.9%
	F	79	86	136	185	264	175	87	16	1,221	84.2%
43 North Vancouver Island	M	38	61	69	81	65	34	16	1	518	70.5%
	F	32	50	49	60	94	60	27	5	476	79.2%
51 Northwest	M	26	28	33	41	29	12	2	1	257	66.9%
	F	17	26	18	32	16	14	9	1	197	67.5%
52 Northern Interior	M	56	62	59	70	42	29	5	1	501	64.7%
	F	39	40	44	59	49	39	16	4	418	69.4%
53 Northeast	M	15	21	27	30	15	12	6	0	217	58.1%
	F	13	10	24	13	30	14	4	3	157	70.7%
Provincial Total	**M**	**1,260**	**1,554**	**2,112**	**2,464**	**2,404**	**1,453**	**502**	**74**	**15,900**	**74.4%**
	F	**901**	**1,139**	**1,563**	**2,260**	**3,057**	**2,418**	**1,154**	**244**	**15,243**	**83.6%**

Note: %65+ is the percentage of deaths aged 65 or older out of all deaths to residents of the specified area by gender.
Provincial Total includes residents with unknown addresses.

Table 33

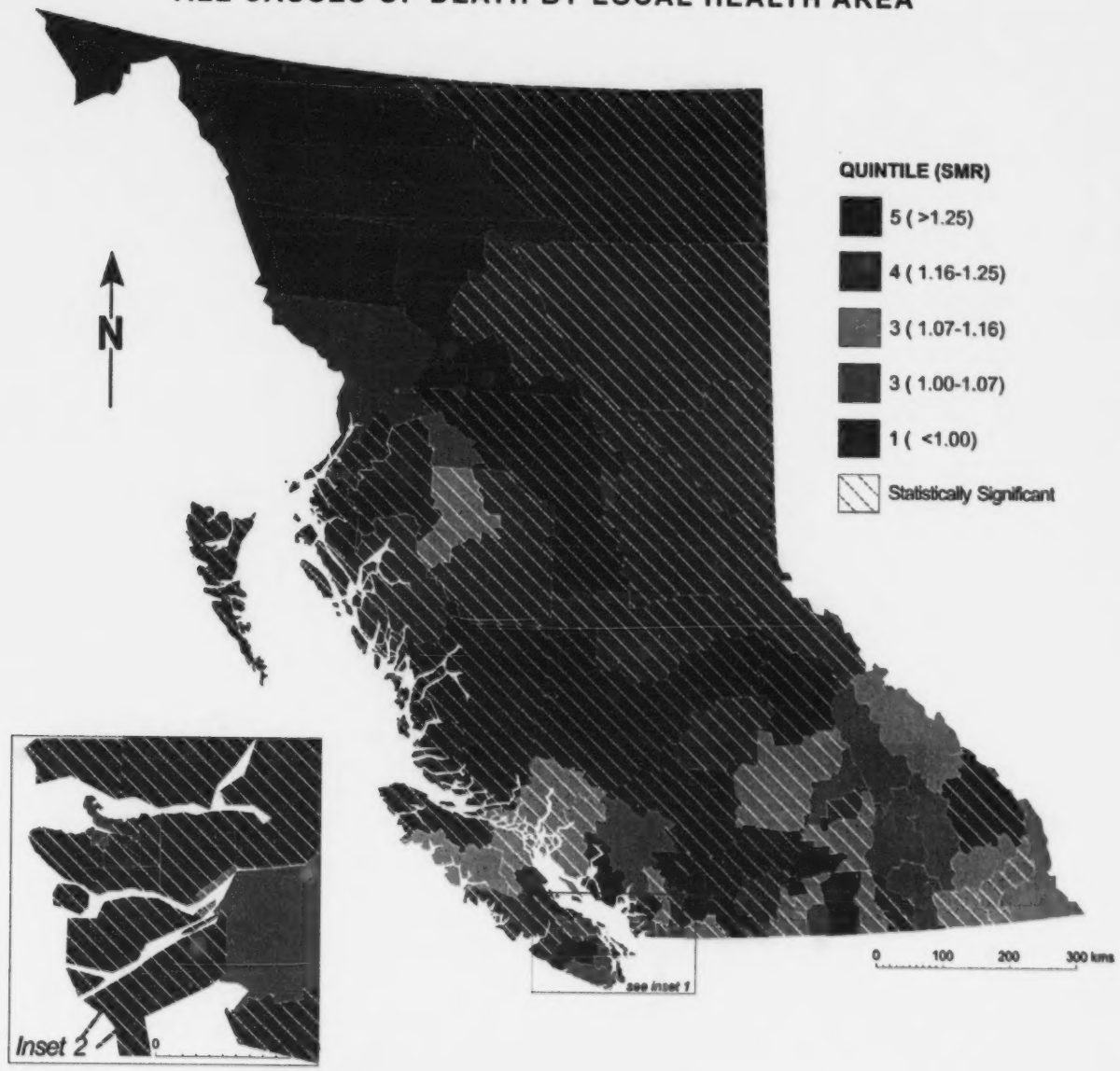
STANDARDIZED MORTALITY RATIO - ALL CAUSES OF DEATH BY LOCAL HEALTH AREA, BRITISH COLUMBIA, 2005–2009 AND 2010

Local Health Area		2005–2009 Observed Deaths	2005–2009 SMR	2005–2009 (p)	2010 Observed Deaths	2010 Expected Deaths	2010 SMR	2010 (p)	2010 95% Confidence Interval Lower	2010 95% Confidence Interval Upper
001	Fernie	433	1.08		75	77.68	0.97		0.76	1.21
002	Cranbrook	1,054	1.15	*	215	182.92	1.18	*	1.02	1.34
003	Kimberley	411	1.08		79	74.32	1.06		0.84	1.32
004	Windermere	253	0.78	*	68	67.18	1.01		0.79	1.28
005	Creston	747	1.09	*	144	133.57	1.08		0.91	1.27
006	Kootenay Lake	161	1.02		37	30.19	1.23		0.86	1.69
007	Nelson	935	1.06		179	172.39	1.04		0.89	1.20
009	Castlegar	623	1.21	*	116	100.64	1.15		0.95	1.38
010	Arrow Lakes	231	1.06		44	41.64	1.06		0.77	1.42
011	Trail	1,093	1.20	*	252	174.53	1.44	*	1.27	1.63
012	Grand Forks	515	1.13	*	118	89.15	1.32	*	1.10	1.59
013	Kettle Valley	126	0.87		28	30.60	0.92		0.61	1.32
014	Southern Okanagan	1,300	1.05		238	242.71	0.98		0.86	1.11
015	Penticton	2,663	1.07	*	496	477.22	1.04		0.95	1.13
016	Keremeos	344	1.15	*	69	56.17	1.23		0.96	1.55
017	Princeton	296	1.20	*	65	49.79	1.31	*	1.01	1.66
018	Golden	208	1.09		35	37.40	0.94		0.65	1.30
019	Revelstoke	259	1.02		51	50.17	1.02		0.76	1.34
020	Salmon Arm	1,632	1.01		368	317.65	1.16	*	1.04	1.28
021	Armstrong - Spallumcheen	392	0.97		101	82.71	1.22		0.99	1.48
022	Vernon	3,108	1.08	*	617	574.52	1.07		0.99	1.16
023	Central Okanagan	7,414	0.98		1,528	1,510.95	1.01		0.96	1.06
024	Kamloops	4,129	1.12	*	829	758.55	1.09	*	1.02	1.17
025	100 Mile House	649	1.17	*	125	111.04	1.13		0.94	1.34
026	North Thompson	193	1.37	*	40	27.33	1.46	*	1.05	1.99
027	Cariboo - Chilcotin	923	1.26	*	197	151.74	1.30	*	1.12	1.49
028	Quesnel	881	1.21	*	200	150.66	1.33	*	1.15	1.52
029	Lillooet	211	1.49	*	32	27.33	1.17		0.80	1.65
030	South Cariboo	357	1.27	*	71	57.55	1.23		0.96	1.56
031	Merritt	550	1.35	*	116	78.96	1.47	*	1.21	1.76
032	Hope	527	1.45	*	110	70.09	1.57	*	1.29	1.89
033	Chilliwack	3,530	1.14	*	678	635.06	1.07		0.99	1.15
034	Abbotsford	4,626	1.01		916	898.58	1.02		0.95	1.09
035	Langley	4,461	1.05	*	946	942.58	1.00		0.94	1.07
037	Delta	3,133	0.95	*	644	735.51	0.88	*	0.81	0.95
038	Richmond	4,479	0.73	*	929	1,199.76	0.77	*	0.73	0.83
040	New Westminster	2,544	1.15	*	489	423.90	1.15	*	1.05	1.26
041	Burnaby	6,890	0.93	*	1,321	1,420.10	0.93	*	0.88	0.98
042	Maple Ridge	2,839	1.13	*	648	516.59	1.25	*	1.16	1.35
043	Coquitlam	4,760	0.91	*	983	1,087.27	0.90	*	0.85	0.96
044	North Vancouver	4,145	0.90	*	751	924.11	0.81	*	0.76	0.87
045	West Vancouver-Bowen Island	2,351	0.83	*	426	540.11	0.79	*	0.72	0.87
046	Sunshine Coast	1,350	0.97		273	276.67	0.99		0.87	1.11
047	Powell River	996	1.09	*	217	180.44	1.20	*	1.05	1.37
048	Howe Sound	607	1.03		103	125.37	0.82	*	0.67	1.00
049	Bella Coola Valley	103	1.26	*	20	15.94	1.25		0.77	1.94
050	Queen Charlotte	168	1.42	*	32	21.95	1.46		1.00	2.06
051	Snow Country	16	1.20		4	2.47	1.62		0.44	4.15
052	Prince Rupert	474	1.27	*	88	75.43	1.17		0.94	1.44
053	Upper Skeena	128	1.05		30	23.32	1.29		0.87	1.84
054	Smithers	451	1.16	*	72	82.28	0.88		0.68	1.10
055	Burns Lake	280	1.23	*	55	44.53	1.23		0.93	1.61
056	Nechako	536	1.41	*	99	79.85	1.24	*	1.01	1.51
057	Prince George	2,770	1.23	*	565	462.56	1.22	*	1.12	1.33
059	Peace River South	828	1.21	*	184	137.94	1.33	*	1.15	1.54
060	Peace River North	732	1.19	*	162	123.78	1.31	*	1.12	1.53
061	Greater Victoria	10,785	1.01		2,075	1,969.55	1.05	*	1.01	1.10
062	Sooke	1,711	1.00		357	361.64	0.99		0.89	1.10
063	Saanich	3,246	0.84	*	641	753.36	0.85	*	0.79	0.92
064	Gulf Islands	682	0.78	*	146	170.17	0.86		0.72	1.01
065	Cowichan	2,295	1.01		461	460.25	1.00		0.91	1.10
066	Lake Cowichan	212	0.98		61	43.12	1.41	*	1.08	1.82
067	Ladysmith	1,108	1.21	*	224	179.66	1.25	*	1.09	1.42
068	Nanaimo	4,495	1.05	*	976	851.16	1.15	*	1.08	1.22
069	Qualicum	2,564	0.95	*	503	546.45	0.92		0.84	1.00
070	Alberni	1,424	1.21	*	308	233.75	1.32	*	1.17	1.47
071	Courtenay	2,565	0.99		535	539.15	0.99		0.91	1.08
072	Campbell River	1,531	1.16	*	352	277.51	1.27	*	1.14	1.41
075	Mission	1,430	1.24	*	262	228.04	1.15	*	1.01	1.30
076	Agassiz - Harrison	337	0.94		73	66.35	1.10		0.86	1.38
077	Summerland	683	0.93		131	141.05	0.93		0.78	1.10
078	Enderby	393	1.22	*	79	65.49	1.21		0.95	1.50
080	Kitimat	306	1.21	*	66	53.54	1.23		0.95	1.57
081	Fort Nelson	106	1.48	*	28	15.96	1.75	*	1.17	2.54
083	Central Coast	62	2.05	*	12	5.67	2.12	*	1.09	3.70
084	Vancouver Island West	67	1.07		10	10.49	0.95		0.46	1.75
085	Vancouver Island North	415	1.60	*	97	55.01	1.76	*	1.43	2.15
087	Stikine	22	0.87		5	4.83	1.03		0.33	2.41
088	Terrace	670	1.35	*	144	104.10	1.38	*	1.17	1.63
092	Nisga'a	73	1.93	*	8	7.68	1.04		0.45	2.05
094	Telegraph Creek	20	1.32		5	2.82	1.77		0.57	4.14
161	Vancouver - City Centre	3,150	1.02		615	603.78	1.02		0.94	1.10
162	Vancouver - Downtown E.side	2,514	1.21	*	448	384.42	1.16	*	1.05	1.27
163	Vancouver - North East	2,893	0.86	*	563	674.74	0.83	*	0.77	0.91
164	Vancouver - Westside	3,727	0.80	*	738	875.17	0.84	*	0.78	0.91
165	Vancouver - Midtown	2,283	0.91	*	408	494.24	0.83	*	0.75	0.91
166	Vancouver - South	4,218	0.85	*	800	946.81	0.84	*	0.79	0.91
201	Surrey	8,757	1.01		1,871	2,025.75	0.92	*	0.88	0.97
202	South Surrey/White Rock	4,301	0.92	*	849	1,007.86	0.84	*	0.79	0.90
	PROVINCIAL TOTAL	**154,911**	**1.00**		**31,143**	**31,143.00**	**1.00**		**0.99**	**1.01**

Note: SMR - Standardized Mortality Ratio. *Statistical testing indicates that observed deaths are significantly different from the expected deaths ($p<0.05$, two tailed). Total includes residents with unknown LHA. Observed deaths include unknown gender.

FIGURE 38

ALL CAUSES OF DEATH BY LOCAL HEALTH AREA



Notes to Table 33
SMR - Standardized Mortality Ratio.
*Statistical testing indicates that observed deaths are significantly different from the expected deaths ($p<0.05$, two tailed). Total includes residents with unknown LHA. Observed deaths include unknown gender.

Note: SMR - Standardized Mortality Ratio.
Refer to Figure 1 to clarify geographical location of LHAs.

Potential Years of Life Lost

Potential Years of Life Lost (PYLL) gives an indication of "premature" death by totalling the number of years British Columbians "lost" prior to age 75 years. For example, an infant death at the age of 6 months would have lost 74.5 years of life. The upper limit of 75 is used for both genders. PYLL indicates the importance of the various causes of premature death by giving more weight to deaths that occurred at younger ages than those that occurred later in life. Bear in mind that the PYLL is weighted according to age. Thus a death at a younger age contributes more to total PYLL than a death at an older age.

The tables and figures in this section portray the impact of premature mortality. The Glossary further defines PYLL. The precise calculation methods for the various indicators derived from PYLL are referenced in the tables in this section and are shown in the Methodology section.

Table 34 shows several PYLL based indicators for deaths of those under 75 years of age contrasted with total deaths and ASMR for all ages for various causes of death. The No. of Deaths column shows the number of persons under 75 years of age who have died due to each cause group. The Percent of PYLL column shows each disease category's proportion of the total PYLL for all causes. The Average PYLL column is the disease category's Total PYLL divided by number of deaths. The PYLLSR column is the rate of PYLL per 1,000 standard population. See PYLL Standardized Rate in the Glossary and the Methodology section for computation details.

Because PYLL focuses on premature mortality rather than on the simple fact of death, it is useful in assessing causes of death in terms of the extent to which each contributes to reduction in lifespan. In Table 34, the column labelled Average PYLL is helpful in exploring this effect.

Motor vehicle accidents (MVAs), which claim many young lives, have a high value for average PYLL at 33.5 years. Malignant neoplasms, on the other hand, although claiming many lives (4,660 under the age of 75) have a relatively low average PYLL at 12.6 years since Malignant neoplasms tend to afflict older individuals more frequently.

Figure 39 compares the profiles of PYLLSR and ASMR contrasting several major causes of death. The graph shows that there are significant differences in the impact of the various causes of death on PYLL and overall death rate. The clearest contrast is for external causes of death: a relatively moderate ASMR but very high PYLLSR. This clearly shows the contribution of "external causes" to premature mortality.

In Table 35, causes of death in 2010 have been ranked according to the Total PYLL for all genders in four age groups. The central portion of the table indicates the number of deaths and number of years lost for males, females, and both genders. The PYLL column shows all the years lost in the age group due to each cause category. The PYLL % column indicates the percent of all PYLL in the age group due to each cause.

Most of the PYLL under 15 years were due to conditions originating in the perinatal period around birth (see Table 35). The majority of those deaths occurred less than 7 days after birth (see Table 27) and were more frequent among females than males (see Table 21).

Suicide had the highest PYLL in the age group of 15 to 24 year olds. Most of these deaths were to males and therefore the majority of the PYLL in this age group was attributable to males as shown in Table 35.

In the age group of 25 to 44 years, for females malignant neoplasms were responsible for a higher PYLL than the sum of all other major causes combined. Among males in this age group, suicide accounted for the largest PYLL, although PYLL due to MVA and malignant neoplasms were high as well.

Malignant neoplasms accounted for the largest share of PYLL for both genders in the 45-74 year age group (see Table 35).

Figure 40 presents the PYLLSR values from Table 35 contrasting the gender differences.

Males in the last three age groups have a higher PYLL than females, although the standardized PYLL rates due to malignant neoplasms were similar in the two adult age groups.

External causes have been covered in a previous section, but Table 36 presents their geographic distribution (by LHA) in terms of PYLL index. These causes in general are considered to be more preventable than 'natural' causes of death and therefore attract attention because of the greater potential for their reduction.

The table also displays PYLL and the observed number of years of lost life in each LHA for both the period 2005 to 2009 and the year 2010. For 2010, the expected PYLL is also reported. This calculation is based on the age distribution in the LHA adjusted to the provincial age and gender specific rate.

During the period, more than half (45) of the LHAs had PYLL Indices that indicated significant differences compared to BC as a whole. Of these, 32 were higher than expected.

Vital Statistics Information Box

Age at Death of the Oldest Male and Female

British Columbia, 1991-2010

Gender	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Male	105	111	111	109	108	108	106	109	108	109	104	104	107	106	107	105	107	106	105	105
Female	113	107	110	110	108	109	111	113	108	111	113	111	107	108	110	109	110	110	109	108

TABLE 34
POTENTIAL YEARS OF LIFE LOST AND AGE STANDARDIZED MORTALITY RATES BY SELECTED CAUSES OF DEATH
BRITISH COLUMBIA, 2010

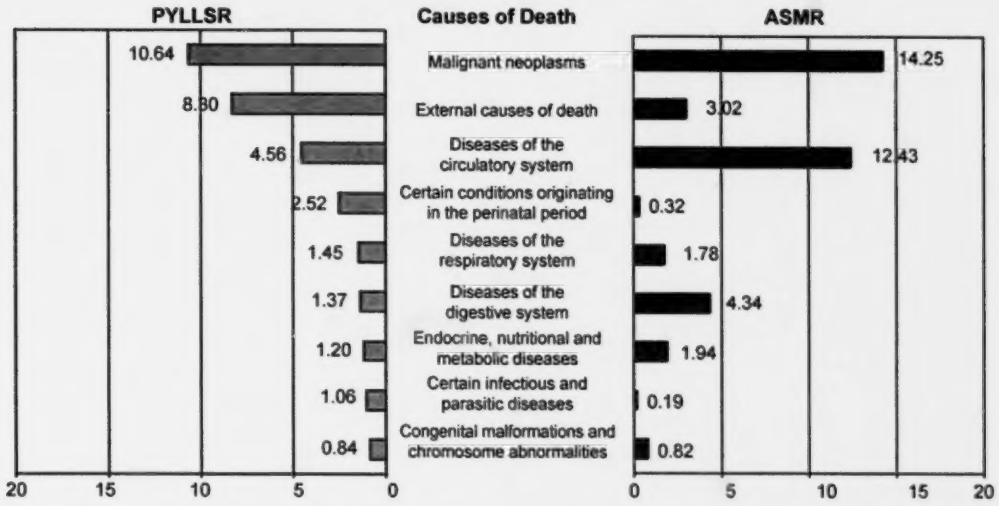
Cause of Death	ICD-10 Code(s)	PYLL (Age Under 75 Years) No. of Deaths	Total PYLL	Percent of PYLL	Average PYLL	PYLLSR	Mortality (All Ages) No. of Deaths	Percent of Deaths	ASMR
Certain infectious and parasitic diseases	A00-B99,G14	249	4,353.5	2.3	17.5	0.84	553	1.8	0.82
- HIV disease	B20-B24	53	1,367.5	0.7	25.8	0.27	55	0.2	0.10
Malignant neoplasms	C00-C97	4,660	58,747.5	31.7	12.6	10.64	9,097	29.2	14.25
- Malignant neoplasm of trachea and lung	C33-C34	1,287	14,257.0	7.7	11.1	2.42	2,351	7.5	3.75
- Malignant neoplasm of female breast	C500-C509	374	5,665.0	3.1	15.1	2.01	600	1.9	1.77
- Malignant neoplasm of colon and rectum	C18-C21	499	6,117.5	3.3	12.3	1.09	1,004	3.2	1.56
Endocrine nutritional and metabolic diseases	E00-E89	451	5,885.0	3.2	13.0	1.20	1,309	4.2	1.94
- Diabetes mellitus	E10-E14	348	3,810.0	2.1	10.9	0.70	1,048	3.4	1.54
Diseases of the circulatory system	I00-I99	2,125	25,157.5	13.6	11.8	4.56	9,084	29.2	12.43
- Ischemic heart diseases	I20-I25	1,177	13,592.5	7.3	11.5	2.38	4,120	13.2	5.74
- Cerebrovascular diseases	I60-I69	407	4,637.5	2.5	11.4	0.84	2,226	7.1	2.99
Diseases of the respiratory system	J00-J98	710	7,369.0	4.0	10.4	1.37	3,132	10.1	4.34
- Pneumonia/Influenza (excluding hypostatic)	J09-J181, J188, J189	153	2,284.5	1.2	14.9	0.44	1,060	3.4	1.36
- Chronic Pulmonary Disease	J40-J44	395	3,027.5	1.6	7.7	0.53	1,415	4.5	2.06
Diseases of the digestive system	K00-K93	519	7,762.0	4.2	15.0	1.45	1,206	3.9	1.78
- Chronic liver disease/cirrhosis	K70, K73-74, K760-K761	281	4,777.5	2.6	17.0	0.88	353	1.1	0.58
Congenital malformations and chromosome abnormalities	Q00-Q99	67	3,377.5	1.8	50.4	1.06	77	0.2	0.19
Certain conditions originating in the perinatal period	P00-P96	99	7,373.0	4.0	74.5	2.52	99	0.3	0.32
External causes of death	V01-Y98	1,122	34,443.0	18.6	30.7	8.30	1,669	5.4	3.02
- Motor vehicle accidents	V02-V04, V09, V12-V14, V190-V196, V20-V79, V803-V805, V820-V821, V823-V890, V892, V899, Y850	211	7,072.0	3.8	33.5	1.74	240	0.8	0.49
- Suicide	X60-X84, Y870	408	12,945.0	7.0	31.7	3.11	454	1.5	0.92
Other causes[1]		1,436	30,897.5	16.7	21.5	7.18	4,917	15.8	7.13
All causes		**11,438**	**185,365.5**	**100.0**	**16.2**	**39.12**	**31,143**	**100.0**	**46.23**

Note: PYLL – denotes the total number of years of life lost from an established life expectancy (75 years).
PYLLSR – per 1,000 standard population (Canada 1991 Census).
ASMR – per 10,000 standard population (Canada 1991 Census).
[1]Other causes includes undetermined and pending.
Total percentage may not add up to 100 due to rounding. Non-residents are excluded.
The output from ICD-10 mortality coding and underlying cause of death selection was modified in BC to reflect the intent of certifiers in this jurisdiction and to provide greater continuity over time. Data using the standard ICD-10 rules for such categories as pneumonia/influenza, diabetes, or cancer should not be compared to the numbers shown above.

FIGURE 39

POTENTIAL YEARS OF LIFE LOST AND AGE STANDARDIZED MORTALITY RATES BY SELECTED CAUSES OF DEATH

BRITISH COLUMBIA, 2019



Note: PYLLSR - Potential Years of Life Lost Standardized Rate (age under 75 years) per 1,000 standard population.
ASMR - Age Standardized Mortality Rate per 10,000 standard population.

TABLE 35
POTENTIAL YEARS OF LIFE LOST BY AGE GROUP AND MAJOR CAUSES OF DEATH (AGE UNDER 75 YEARS)
BRITISH COLUMBIA, 2010

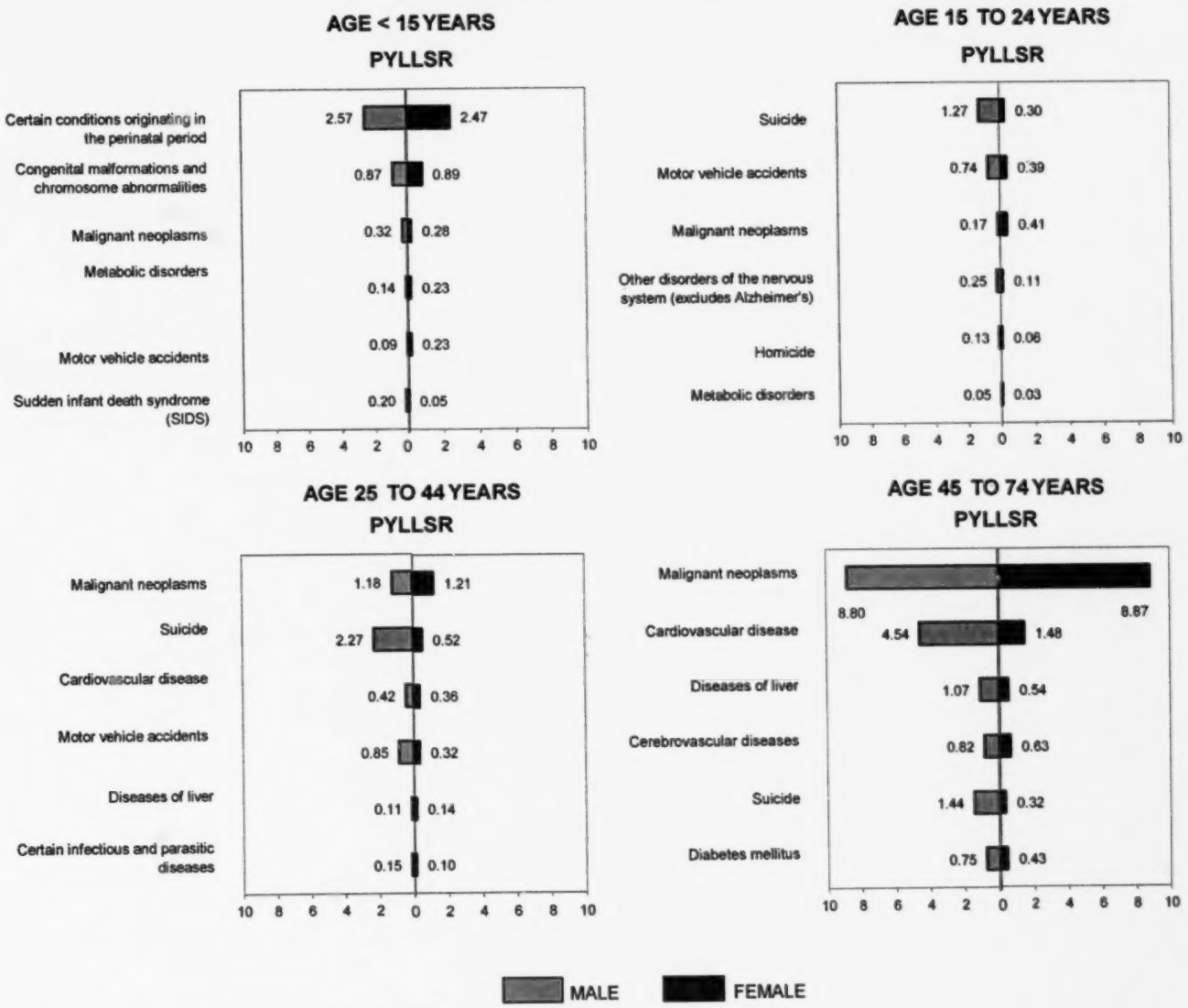
		Male				Female				Total			
Cause of Death	ICD-10 Code(s)	Deaths	PYLL	PYLL %	PYLLSR	Deaths	PYLL	PYLL %	PYLLSR	Deaths	PYLL	PYLL %	PYLLSR
Under 15 Years Old													
Certain conditions originating in the perinatal period	P00-P96	51	3,799.5	41.2	2.57	48	3,573.5	48.2	2.47	99	7,373.0	44.3	2.52
Congenital malformations and chromosome abnormalities	Q00-Q99	18	1,312.5	14.2	0.87	18	1,312.5	17.7	0.89	36	2625.0	15.8	0.88
Malignant neoplasms	C00-C97	8	529.0	5.7	0.32	6	423.5	5.7	0.28	14	952.5	5.7	0.30
Metabolic disorders	E70-E89	3	218.5	2.4	0.14	5	349.0	4.7	0.23	8	567.5	3.4	0.19
Motor vehicle accidents	V02-V04, V09, V12-V14, V190-V196, V20-V79, V803-V805, V820-V821, V823-V890, V892, V899, Y850	2	144.0	1.6	0.09	5	353.0	4.8	0.23	7	497.0	3.0	0.16
Sudden infant death syndrome (SIDS)	R95	4	298.0	3.2	0.20	1	74.5	1.0	0.05	5	372.5	2.2	0.13
Other causes[1]		42	2,923.0	31.7	1.88	19	1,330.0	17.9	0.88	61	4,253.0	25.6	1.38
All causes		**128**	**9,224.5**	**100.0**	**6.08**	**102**	**7,416.0**	**100.0**	**5.04**	**230**	**16,640.5**	**100.0**	**5.57**
15-24 Years Old													
Suicide	X60-X84, Y870	48	2,620.0	27.8	1.27	11	597.5	11.6	0.30	59	3,217.5	22.1	0.79
Motor vehicle accidents	V02-V04, V09, V12-V14, V190-V196, V20-V79, V803-V805, V820-V821, V823-V890, V892, V899, Y850	28	1,525.0	16.2	0.74	14	780.0	15.2	0.39	42	2,305.0	15.68	0.57
Malignant neoplasms	C00-C97	6	335.0	3.6	0.17	15	812.5	15.8	0.41	21	1,147.5	7.9	0.28
Other disorders of the nervous system (excludes Alzheimer's)	G00-G25, G31-G99	9	502.5	5.3	0.25	4	220.0	4.3	0.11	13	722.5	5.0	0.18
Homicide	X85-Y09, Y871	5	272.5	2.9	0.13	2	110.0	2.1	0.06	7	382.5	2.6	0.09
Metabolic disorders	E70-E89	2	110.0	1.2	0.05	1	52.5	1.0	0.03	3	162.5	1.1	0.04
Other causes[1]		75	4,067.5	43.1	1.97	47	2,567.5	50.0	1.29	122	6,635.0	45.5	1.63
All causes		**173**	**9,432.5**	**100.0**	**4.58**	**94**	**5,140.0**	**100.0**	**2.58**	**267**	**14,572.5**	**100.0**	**3.59**
25-44 Years Old													
Malignant neoplasms	C00-C97	92	3,400.0	12.8	1.18	102	3,700.0	27.7	1.21	194	7,100.0	17.8	1.20
Suicide	X60-X84, Y870	117	4,647.5	17.5	2.27	27	1,097.5	8.2	0.52	144	5,745.0	14.4	1.39
Cardiovascular disease	I00-I51	53	1,852.5	7.0	0.42	23	882.5	6.6	0.36	76	2,735.0	6.9	0.39
Motor vehicle accidents	V02-V04, V09, V12-V14, V190-V196, V20-V79, V803-V805, V820-V821, V823-V890, V892, V899, Y850	47	1,867.5	7.0	0.85	18	705.0	5.3	0.32	65	2,572.5	6.4	0.58
Diseases of liver	K70-K76	19	657.5	2.5	0.11	13	457.5	3.4	0.14	32	1,115.5	2.8	0.12
Certain infectious and parasitic diseases	A00-B99, G14	17	607.5	2.3	0.15	8	295.0	2.2	0.10	25	902.5	2.3	0.13
Other causes[1]		347	13,547.5	51.0	6.13	162	6,205.0	46.5	2.56	509	19,752.5	49.5	4.33
All causes		**692**	**26,580.0**	**100.0**	**11.11**	**353**	**13,342.5**	**100.0**	**5.20**	**1,045**	**39,922.5**	**100.0**	**8.13**
45-74 Years Old													
Malignant neoplasms	C00-C97	2,308	25,085.0	36.2	8.80	2,123	24,482.5	54.4	8.87	4,431	49,547.5	43.4	8.85
Cardiovascular disease	I00-I51	1,116	12,415.0	17.9	4.54	416	3,885.0	8.6	1.48	1,532	16,300.0	14.3	3.03
Diseases of liver	K70-K76	184	2,640.0	3.8	1.07	93	1,302.5	2.9	0.54	277	3,942.5	3.5	0.80
Cerebrovascular diseases	I60-I69	217	2,262.5	3.3	0.82	170	1,610.0	3.6	0.63	387	3,872.5	3.4	0.73
Suicide	X60-X84, Y870	164	3,090.0	4.5	1.44	38	705.0	1.6	0.32	202	3,795.0	3.3	0.88
Diabetes mellitus	E10-E14	225	2,157.5	3.1	0.75	107	1,062.5	2.4	0.43	332	3,3220.0	2.8	0.59
Other causes[1]		1,684	21,615.0	31.2	8.71	1,051	11,937.5	26.5	4.92	2,735	33,352.5	29.4	6.82
All causes		**5,898**	**69,245.0**	**100.0**	**26.41**	**3,998**	**44,985.0**	**100.0**	**17.20**	**9,896**	**114,230.0**	**100.0**	**21.83**

Note: PYLL – Potential Years of Life Lost, denotes the total number of years of life lost from an established life expectancy (75 years). PYLLSR – PYLL Standardized Rate per 1,000 standard population (Canada 1991 Census). [1]Other causes includes undetermined and pending. Causes of death are ordered by total PYLL in the age group. Total percentage may not add up to 100 due to rounding. Non-residents are excluded. The output from ICD-10 mortality coding and underlying cause of death selection was modified in British Columbia to reflect the intent of certifiers in this jurisdiction and to provide greater continuity over time. Data using the standard ICD-10 rules for such categories as pneumonia/influenza, diabetes, or cancer should not be compared to the numbers shown above.

FIGURE 40

POTENTIAL YEARS OF LIFE LOST STANDARDIZED RATES BY AGE GROUP AND GENDER MAJOR CAUSES OF DEATH (AGE UNDER 75 YEARS)

BRITISH COLUMBIA, 2010



Note: Causes of death are ordered by total deaths (Table 35).
PYLLSR-PYLL Standardized Rate per 1,000 population.
[1]The BC Coroners' Service classifies SIDS deaths as "SUDI" - please see glossary (under "SIDS") for explanation.

Table 36

POTENTIAL YEARS OF LIFE LOST BY LOCAL HEALTH AREA
EXTERNAL CAUSES OF DEATH (AGE UNDER 75 YEARS), BRITISH COLUMBIA, 2005–2009 AND 2010

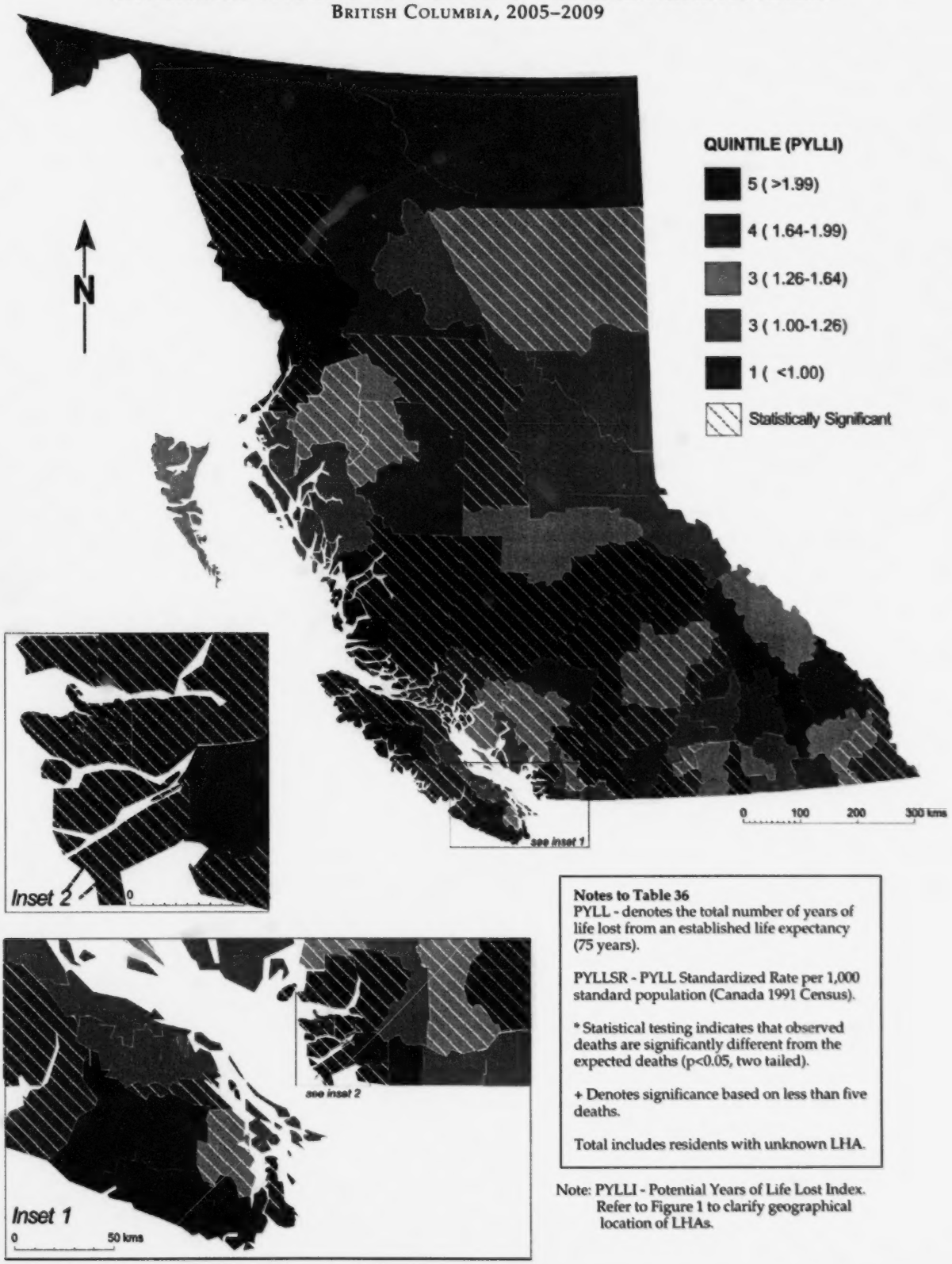
Local Health Area		2005–2009 Observed Deaths	2005–2009 Observed PYLL	2005–2009 PYLL Index (p)		2010 Observed Deaths	2010 Observed PYLL	2010 Expected PYLL	2010 PYLL Index (p)		2010 95% Confidence Limit Lower		2010 95% Confidence Limit Upper
001	Fernie	43	1,392.5	1.71	*	7	222.5	118.73	1.87		0.32	-	3.43
002	Cranbrook	69	2,042.5	1.60	*	14	425.0	185.51	2.29		0.95	-	3.64
003	Kimberley	20	535.0	1.34		2	65.0	59.42	1.09		0.00	-	2.63
004	Windermere	16	390.0	0.75		4	120.0	81.90	1.47		0.00	-	2.98
005	Creston	31	857.5	1.66		8	225.0	79.56	2.83		0.56	-	5.10
006	Kootenay Lake	14	380.0	2.18		1	57.5	26.25	2.19		0.00	-	6.48
007	Nelson	52	1,560.0	1.21		5	157.5	188.96	0.83		0.03	-	1.64
009	Castlegar	28	937.0	1.40		5	132.5	100.47	1.32		0.00	-	2.69
010	Arrow Lakes	11	357.5	1.69		3	47.5	31.65	1.50		0.00	-	3.33
011	Trail	40	1,035.0	1.10		4	110.0	134.07	0.82		0.00	-	1.68
012	Grand Forks	29	827.5	2.08	*	4	105.0	56.50	1.86		0.00	-	3.77
013	Kettle Valley	10	220.0	1.34		1	22.5	24.13	0.93		0.00	-	2.76
014	Southern Okanagan	47	1,357.5	1.74	*	4	150.0	114.78	1.31		0.00	-	2.68
015	Penticton	89	2,762.5	1.47	*	7	187.5	273.02	0.69		0.11	-	1.26
016	Keremeos	18	560.0	2.79	*	5	142.0	29.99	4.73		0.00	-	10.22
017	Princeton	13	407.5	1.90		1	52.5	32.45	1.62		0.00	-	4.79
018	Golden	15	552.5	1.32		-	-	60.96	-		-	-	-
019	Revelstoke	12	310.0	0.71		2	45.0	60.93	0.74		0.00	-	1.79
020	Salmon Arm	88	3,020.0	1.95	*	18	535.0	231.74	2.31	*	1.08	-	3.54
021	Armstrong - Spallumcheen	26	910.0	1.99	*	1	17.5	65.70	0.27	+	0.00	-	0.79
022	Vernon	128	3,830.0	1.24		24	679.5	452.58	1.50		0.80	-	2.20
023	Central Okanagan	314	9,509.5	1.06		39	1,094.5	1,357.16	0.81		0.51	-	1.10
024	Kamloops	265	7,717.5	1.35	*	44	1,459.0	825.99	1.77	*	1.17	-	2.36
025	100 Mile House	50	1,400.0	2.02	*	8	105.0	102.34	1.03		0.17	-	1.88
026	North Thompson	14	535.0	2.54	*	3	67.5	29.91	2.26		0.00	-	5.27
027	Cariboo - Chilcotin	113	3,597.5	2.51	*	14	510.0	203.05	2.51	*	1.05	-	3.97
028	Quesnel	54	1,610.0	1.33		17	527.5	174.39	3.02	*	1.37	-	4.68
029	Lillooet	14	405.0	1.80		2	35.0	32.83	1.07		0.00	-	3.01
030	South Cariboo	22	685.0	2.00	*	2	90.0	50.99	1.77		0.00	-	4.30
031	Merritt	40	1,010.0	1.75	*	7	177.5	82.26	2.16		0.29	-	4.03
032	Hope	27	847.5	2.23	*	5	112.5	55.95	2.01		0.00	-	4.02
033	Chilliwack	154	4,875.0	1.18		15	412.5	620.41	0.66		0.28	-	1.05
034	Abbotsford	216	7,721.5	1.06		34	1,045.0	1,073.68	0.97		0.61	-	1.33
035	Langley	183	6,092.5	0.90		23	722.5	970.59	0.74		0.40	-	1.08
037	Delta	106	3,479.0	0.66	*	19	522.5	723.64	0.72		0.38	-	1.08
038	Richmond	141	4,589.5	0.44	*	22	710.0	1,556.82	0.46	*	0.24	-	0.67
040	New Westminster	113	3,357.5	0.94		16	460.0	550.56	0.84		0.37	-	1.30
041	Burnaby	254	7,510.0	0.61	*	37	977.5	1,844.66	0.53	*	0.33	-	0.73
042	Maple Ridge	154	4,985.0	1.01		18	610.0	734.26	0.83		0.40	-	1.26
043	Coquitlam	234	7,299.5	0.61	*	33	1,172.5	1,782.42	0.66	*	0.41	-	0.90
044	North Vancouver	140	4,416.5	0.60	*	20	665.0	1,082.58	0.61	*	0.32	-	0.91
045	West Vancouver-Bowen Island	44	1,329.5	0.57	*	4	160.0	347.63	0.46	+	0.00	-	0.94
046	Sunshine Coast	50	1,424.5	1.10		9	242.5	192.28	1.26		0.37	-	2.15
047	Powell River	48	1,395.0	1.52	*	9	337.5	135.34	2.49		0.82	-	4.17
048	Howe Sound	85	2,952.5	1.41	*	8	310.0	313.76	0.99		0.28	-	1.70
049	Bella Coola Valley	15	582.5	3.80	*	1	2.5	21.45	0.12	+	0.00	-	0.35
050	Queen Charlotte	13	332.5	1.28		2	75.0	35.09	2.14		0.00	-	5.33
051	Snow Country	2	100.0	3.52		1	32.5	3.93	8.26		0.00	-	24.45
052	Prince Rupert	32	915.0	1.19		8	180.0	107.69	1.67		0.24	-	3.10
053	Upper Skeena	12	475.0	1.63		4	130.0	41.87	3.10		0.00	-	6.57
054	Smithers	42	1,355.0	1.56	*	4	130.0	123.18	1.06		0.00	-	2.14
055	Burns Lake	21	697.5	1.66		6	145.0	60.92	2.38		0.40	-	4.36
056	Nechako	43	1,402.5	1.73	*	6	205.0	111.00	1.85		0.09	-	3.60
057	Prince George	196	6,336.5	1.17		35	1,252.0	765.09	1.64	*	1.03	-	2.24
059	Peace River South	52	1,640.0	1.13		9	342.5	215.23	1.59		0.43	-	2.75
060	Peace River North	82	3,179.0	1.59	*	15	487.5	291.68	1.67		0.71	-	2.63
061	Greater Victoria	367	10,869.5	0.91		59	1,707.5	1,707.14	1.00		0.71	-	1.29
062	Sooke	91	2,862.5	0.82		14	490.0	543.31	0.90		0.38	-	1.43
063	Saanich	74	2,240.0	0.79	*	8	270.0	405.60	0.67		0.18	-	1.15
064	Gulf Islands	24	660.0	1.03		2	55.0	97.70	0.56		0.00	-	1.34
065	Cowichan	116	3,854.5	1.40	*	19	452.5	404.16	1.12		0.50	-	1.74
066	Lake Cowichan	10	305.0	0.97		3	142.0	47.04	3.02		0.00	-	6.80
067	Ladysmith	39	1,392.5	1.71	*	5	142.5	119.63	1.19		0.00	-	2.56
068	Nanaimo	163	5,286.5	1.03		27	817.5	751.64	1.09		0.64	-	1.53
069	Qualicum	67	2,112.5	1.17		6	150.0	267.94	0.56		0.01	-	1.11
070	Alberni	97	2,987.0	1.88	*	10	325.0	226.57	1.43		0.49	-	2.38
071	Courtenay	110	3,140.0	1.05		17	532.5	437.29	1.22		0.54	-	1.89
072	Campbell River	120	3,460.0	1.63	*	22	650.0	304.42	2.14	*	1.16	-	3.11
075	Mission	93	3,097.5	1.34	*	17	602.5	340.58	1.77		0.85	-	2.69
076	Agassiz - Harrison	24	940.0	2.19	*	6	210.0	63.45	3.31		0.36	-	6.25
077	Summerland	17	572.5	1.16		6	130.0	70.05	1.86		0.15	-	3.57
078	Enderby	20	625.0	1.73		3	77.5	51.56	1.50		0.00	-	3.61
080	Kitimat	27	672.5	1.17		2	50.0	78.81	0.63		0.00	-	1.52
081	Fort Nelson	18	690.0	1.76		5	257.5	54.14	4.76		0.51	-	9.00
083	Central Coast	6	220.0	2.59		-	-	11.60	-		-	-	-
084	Vancouver Island West	11	337.5	2.76		-	-	17.83	-		-	-	-
085	Vancouver Island North	51	1,769.5	2.62	*	13	482.0	93.84	5.14	*	2.04	-	8.23
087	Stikine	4	100.0	1.89		-	-	7.00	-		-	-	-
088	Terrace	47	1,644.5	1.54	*	14	420.0	155.01	2.71	*	1.20	-	4.22
092	Nisga'a	13	547.5	5.12	*	1	57.5	14.76	3.89		0.00	-	11.53
094	Telegraph Creek	6	290.0	7.24	*	2	35.0	5.71	6.13		0.00	-	14.96
161	Vancouver - City Centre	207	5,992.5	0.75	*	30	970.0	1,155.19	0.84		0.52	-	1.16
162	Vancouver - Downtown Eastside	312	8,955.0	2.39	*	46	1,199.5	624.75	1.92	*	1.31	-	2.53
163	Vancouver - North East	119	4,047.5	0.70	*	13	442.5	838.12	0.53	*	0.21	-	0.85
164	Vancouver - Westside	121	3,464.5	0.46	*	15	422.5	1,101.20	0.38	*	0.17	-	0.60
165	Vancouver - Midtown	114	3,492.0	0.69	*	11	322.5	755.95	0.43	*	0.14	-	0.71
166	Vancouver - South	123	4,214.0	0.57	*	18	645.0	1,052.60	0.61	*	0.31	-	0.92
201	Surrey	598	19,635.0	0.95		86	2,725.0	3,067.82	0.89		0.68	-	1.09
202	South Surrey/White Rock	86	3,009.5	0.80	*	18	465.0	540.68	0.86		0.41	-	1.31
	PROVINCIAL TOTAL	**7,462**	**234,243.5**	**1.00**		**1,122**	**34,443.0**	**34,443.00**	**1.00**		**0.93**	-	**1.07**

Notes for this table follow the map.

FIGURE 41

EXTERNAL CAUSES OF DEATH BY LOCAL HEALTH AREA

BRITISH COLUMBIA, 2005–2009



Notes to Table 36

PYLL - denotes the total number of years of life lost from an established life expectancy (75 years).

PYLLSR - PYLL Standardized Rate per 1,000 standard population (Canada 1991 Census).

* Statistical testing indicates that observed deaths are significantly different from the expected deaths ($p<0.05$, two tailed).

+ Denotes significance based on less than five deaths.

Total includes residents with unknown LHA.

Note: PYLLI - Potential Years of Life Lost Index. Refer to Figure 1 to clarify geographical location of LHAs.

Medically Treatable Diseases

A list of causes has been identified where death could potentially have been avoided through appropriate and timely medical intervention and treatment. It should be noted that the causes are considered to have been amenable to medical treatment only if the death occurred to persons within specific age ranges. Please see the footnote on Table 37 for a list of the causes and ages included in this category.

There were only 142 deaths due to medically treatable diseases in 2010, which represents about 0.5 percent of all deaths in the province.

Table 37 indicates the number and percent of all Medically Treatable Disease (MTD) deaths by cause for 2010 and the five-year period 2005-2009. Bacterial Infections accounted for most of the deaths due to MTDs in 2010 and the previous five years. In 2010, two cause categories, Hypertension and Hypertensive Diseases, and Pneumonia and Unqualified Bronchitis, accounted for 30.3 percent male deaths due to MTDs and for females, 46.6 percent.

Table 38 shows the count of deaths due to MTDs organized by the LHA in which the decedent lived. For the current year (2010) the table shows the actual number of deaths observed in the LHA and the expected deaths (calculated using the 2010 age-specific death rates for MTD).

There were 12 LHAs that had no deaths due to these conditions in 2005-2009 and 44 in 2010 as shown in Table 38. Further, there were only 7 LHAs in 2005-2009 that showed differences between observed and expected deaths that were statistically significant based on five or more deaths, and only 2 LHAs with five or more deaths had statistically significant and high ratios in 2010.

Figure 42 shows the province divided up into its eighty-nine LHAs, with each area indicated as to whether its SMR for deaths due to MTDs was high or low on a quintile scale: dark red indicates the highest SMRs and dark grey indicates the lowest. As might be expected from a table containing such low counts, this map shows no obvious geographic pattern of location of the quintiles.

TABLE 37
DEATHS DUE TO MEDICALLY TREATABLE DISEASES BY SELECTED CAUSES AND GENDER
BRITISH COLUMBIA, 2005–2009 AND 2010

Cause of Death	ICD-10 Code(s)	2005–2009		2010					
				Male		Female		Total	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Bacterial Infections	A00-A05, ..., M871	269	31.9	24	31.6	12	18.2	36	25.4
Pneumonia and unqualified bronchitis	J12-J181, J188, J189, J40	187	22.2	15	19.7	12	18.2	27	19.0
Hypertension and hypertensive diseases	I10-I15	139	16.5	22	28.9	6	9.1	28	19.7
Malignant neoplasm of cervix	C53	123	14.6	-	-	25	37.9	25	17.6
Abdominal hernias, cholecystitis and cholelithiasis, appendicitis	K35-K37, K40-K46, K80, K81	38	4.5	11	14.5	3	4.5	14	9.9
Asthma	J45-J46	28	3.3	1	1.3	3	4.5	4	2.8
Acute respiratory infections and influenza	J00-J06, J09-J11, J20-J22	24	2.9	-	-	-	-	-	-
Tuberculosis	A15-A19, B90	21	2.5	1	1.3	2	3.0	3	2.1
Hodgkin's disease	C81	7	0.8	2	2.6	-	-	2	1.4
Chronic rheumatic heart disease	I05-I09	6	0.7	-	-	3	4.5	3	2.1
Nutritional anemias	D50-D53	-	-	-	-	-	-	-	-
TOTAL		842	100.0	76	100.0	66	100.0	142	100.0

Note: Medically Treatable Diseases (MTDs) based on Charlton's definition (see Glossary).
*ICD–10 codes A00–A05, A20–A49, B95–B96, G00, H66, H70, H95.0–H95.1, I00–I01, I02.0, I02.9, L01–L08, M00, M02.8–M02.9, M46.2, M86, M87.1.
Deaths due to MTDs exclude all deaths less than age 5 years old.
Deaths due to MTDs also exclude
- deaths aged 65 or more from hypertensive disease.
- deaths aged 50 or more from pneumonia and unqualified bronchitis.
- deaths aged 65 or more from cervical cancer.
- deaths aged 65 or more from tuberculosis.
- deaths aged 50 or more from asthma.
- deaths aged 45 or more from chronic rheumatic heart disease.
- deaths aged 50 or more from acute respiratory infections and influenza.
- deaths aged 65 or more from bacterial infections.
- deaths aged 35 or more from Hodgkin's disease.
- deaths aged 65 or more from abdominal hernias, cholecystitis and cholelithiasis, appendicitis.
- deaths aged 65 or more from deficiency nutritional anemias.

Total percentage may not add up to 100 due to rounding.
The output from ICD-10 mortality coding and underlying cause of death selection was modified in BC to reflect the intent of certifiers in this jurisdiction and to provide greater continuity over time. Data using the standard ICD-10 rules for such categories as pneumonia/influenza, diabetes, or cancer should not be compared to the numbers shown above.

Table 38

STANDARDIZED MORTALITY RATIO BY LOCAL HEALTH AREA DEATHS DUE TO MEDICALLY TREATABLE DISEASES, BRITISH COLUMBIA, 2005–2009 AND 2010

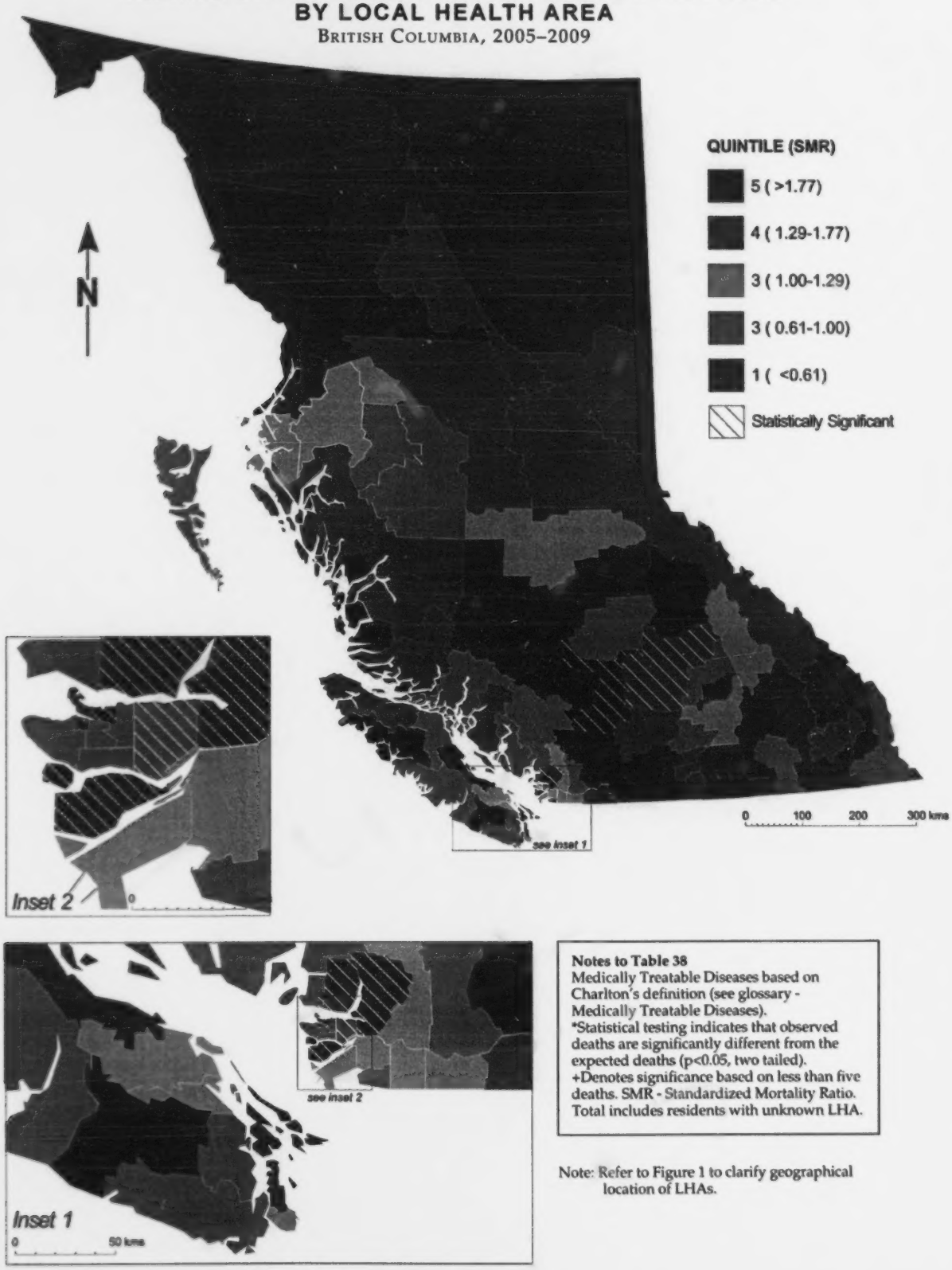
Local Health Area		2005–2009 Observed Deaths	2005–2009 SMR	(p)	2010 Observed Deaths	2010 Expected Deaths	2010 SMR	(p)	95% Confidence Interval Lower		Upper
001	Fernie	2	0.65		-	0.52	-		-	-	-
002	Cranbrook	3	0.60		2	0.83	2.41		0.27	-	8.72
003	Kimberley	3	1.72		1	0.29	3.44		0.04	-	19.13
004	Windermere	-	-		-	0.37	-		-	-	-
005	Creston	5	2.11		-	0.38	-		-	-	-
006	Kootenay Lake	-	-		-	0.14	-		-	-	-
007	Nelson	5	0.99		-	0.85	-		-	-	-
009	Castlegar	6	2.28		-	0.44	-		-	-	-
010	Arrow Lakes	-	-		-	0.17	-		-	-	-
011	Trail	6	1.56		-	0.65	-		-	-	-
012	Grand Forks	-	-		1	0.28	3.53		0.05	-	19.64
013	Kettle Valley	-	-		-	0.14	-		-	-	-
014	Southern Okanagan	5	1.31		-	0.60	-		-	-	-
015	Penticton	11	1.42		5	1.30	3.85	*	1.24	-	8.98
016	Keremeos	-	-		-	0.17	-		-	-	-
017	Princeton	2	1.78		-	0.20	-		-	-	-
018	Golden	2	1.37		-	0.25	-		-	-	-
019	Revelstoke	2	1.24		-	0.27	-		-	-	-
020	Salmon Arm	6	0.87		1	1.15	0.87		0.01	-	4.83
021	Armstrong - Spallumcheen	-	-		-	0.30	-		-	-	-
022	Vernon	16	1.27		3	2.10	1.43		0.29	-	4.17
023	Central Okanagan	33	0.99		4	5.77	0.69		0.19	-	1.77
024	Kamloops	32	1.49	*	3	3.53	0.85		0.17	-	2.48
025	100 Mile House	2	0.62		-	0.51	-		-	-	-
026	North Thompson	2	2.20		-	0.14	-		-	-	-
027	Cariboo - Chilcotin	3	0.56		2	0.87	2.29		0.26	-	8.25
028	Quesnel	5	1.06		2	0.78	2.57		0.29	-	9.26
029	Lillooet	3	3.46		-	0.14	-		-	-	-
030	South Cariboo	5	3.32	*	1	0.24	4.14		0.05	-	23.02
031	Merritt	4	1.75		-	0.36	-		-	-	-
032	Hope	4	2.45		4	0.26	15.44	*	4.16	-	39.54
033	Chilliwack	20	1.37		2	2.47	0.81		0.09	-	2.92
034	Abbotsford	23	1.00		2	3.86	0.52		0.06	-	1.87
035	Langley	27	1.14		4	3.64	1.04		0.28	-	2.66
037	Delta	23	1.14		3	3.11	0.96		0.19	-	2.82
038	Richmond	16	0.43	*	5	6.25	0.80		0.26	-	1.87
040	New Westminster	13	1.04		2	2.17	0.92		0.10	-	3.33
041	Burnaby	26	0.64	*	9	7.04	1.28		0.58	-	2.43
042	Maple Ridge	19	1.10		3	2.95	1.02		0.20	-	2.97
043	Coquitlam	24	0.58	*	6	7.29	0.82		0.30	-	1.79
044	North Vancouver	16	0.59	*	1	4.70	0.21		0.00	-	1.18
045	West Vancouver-Bowen Island	8	0.78		1	1.73	0.58		0.01	-	3.22
046	Sunshine Coast	5	0.79		2	1.09	1.83		0.21	-	6.60
047	Powell River	6	1.44		1	0.68	1.48		0.02	-	8.22
048	Howe Sound	5	0.80		-	1.11	-		-	-	-
049	Bella Coola Valley	1	1.74		-	0.09	-		-	-	-
050	Queen Charlotte	1	0.98		-	0.16	-		-	-	-
051	Snow Country	-	-		-	0.02	-		-	-	-
052	Prince Rupert	3	1.05		-	0.46	-		-	-	-
053	Upper Skeena	1	1.01		-	0.16	-		-	-	-
054	Smithers	2	0.65		1	0.50	1.98		0.03	-	11.03
055	Burns Lake	1	0.66		-	0.25	-		-	-	-
056	Nechako	4	1.42		-	0.45	-		-	-	-
057	Prince George	28	1.49		6	3.12	1.93		0.70	-	4.19
059	Peace River South	8	1.57		-	0.86	-		-	-	-
060	Peace River North	3	0.52		-	0.98	-		-	-	-
061	Greater Victoria	43	1.03		6	7.00	0.86		0.31	-	1.87
062	Sooke	12	0.93		5	2.26	2.21		0.71	-	5.15
063	Saanich	6	0.46		-	2.13	-		-	-	-
064	Gulf Islands	-	-		-	0.61	-		-	-	-
065	Cowichan	7	0.64		1	1.84	0.54		0.01	-	3.02
066	Lake Cowichan	4	3.04		-	0.23	-		-	-	-
067	Ladysmith	4	1.04		-	0.66	-		-	-	-
068	Nanaimo	23	1.16		6	3.37	1.78		0.65	-	3.87
069	Qualicum	5	0.53		-	1.54	-		-	-	-
070	Alberni	6	0.95		3	1.01	2.96		0.59	-	8.64
071	Courtenay	7	0.55		1	2.16	0.46		0.01	-	2.58
072	Campbell River	6	0.69		-	1.42	-		-	-	-
075	Mission	6	0.77		2	1.33	1.51		0.17	-	5.45
076	Agassiz - Harrison	3	1.78		2	0.28	7.25		0.81	-	26.16
077	Summerland	-	-		-	0.37	-		-	-	-
078	Enderby	3	1.99		-	0.25	-		-	-	-
080	Kitimat	3	1.39		1	0.35	2.83		0.04	-	15.73
081	Fort Nelson	3	2.68		-	0.19	-		-	-	-
083	Central Coast	2	7.90		-	0.04	-		-	-	-
084	Vancouver Island West	1	1.84		-	0.09	-		-	-	-
085	Vancouver Island North	4	1.54		-	0.42	-		-	-	-
087	Stikine	-	-		-	0.04	-		-	-	-
088	Terrace	5	1.28		1	0.64	1.57		0.02	-	8.73
092	Nisga'a	-	-		-	0.06	-		-	-	-
094	Telegraph Creek	1	8.48		-	0.02	-		-	-	-
161	Vancouver - City Centre	31	1.37		2	3.64	0.55		0.06	-	1.98
162	Vancouver - Dwtn Eastside	53	4.33	*	7	2.43	2.88	*	1.15	-	5.93
163	Vancouver - North East	17	0.90		1	3.25	0.31		0.00	-	1.71
164	Vancouver - Westside	18	0.72		1	4.11	0.24		0.00	-	1.36
165	Vancouver - Midtown	12	0.74		4	2.88	1.39		0.37	-	3.55
166	Vancouver - South	17	0.68		2	4.26	0.47		0.05	-	1.70
201	Surrey	75	1.13		14	11.14	1.26		0.69	-	2.11
202	South Surrey/White Rock	13	0.80		5	2.62	1.91		0.62	-	4.45
	PROVINCIAL TOTAL	**842**	**1.00**		**142**	**142.00**	**1.00**		**0.84**	-	**1.18**

Notes for this table follow the map.

FIGURE 42

DEATHS DUE TO MEDICALLY TREATABLE DISEASES BY LOCAL HEALTH AREA

BRITISH COLUMBIA, 2005–2009



Notes to Table 38
Medically Treatable Diseases based on Charlton's definition (see glossary - Medically Treatable Diseases).
*Statistical testing indicates that observed deaths are significantly different from the expected deaths ($p<0.05$, two tailed).
+Denotes significance based on less than five deaths. SMR - Standardized Mortality Ratio. Total includes residents with unknown LHA.

Note: Refer to Figure 1 to clarify geographical location of LHAs.

Alcohol-Related Deaths

Alcohol-related deaths provide information on deaths due to alcohol (directly related) as well as those where alcohol was a contributing factor (indirectly related). Alcohol-related and drug overdose deaths are the only cause of death categories in this publication that are not based entirely upon the underlying causes of death. See the Glossary for a further explanation of alcohol-related deaths and Table 39 for the list of causes used for deaths directly due to alcohol.

Table 39 shows the number and percent of deaths that were directly and indirectly related to alcohol in 2010 and in the five preceding years, while Figure 43 graphically shows the pattern of alcohol-related deaths by cause. About 22.4 percent of the 1,832 deaths related to alcohol in 2010 were directly attributable to alcohol (410 deaths). Alcohol was a contributing factor in the remaining 77.6 percent of these deaths. The table indicates that most of the deaths directly attributable to alcohol were caused by liver disease (15.5 percent) in 2010.

Table 40 shows numbers and percentages of alcohol-related deaths by age group for males, females, and the total population. All alcohol-related deaths, whether directly or indirectly related to alcohol, are included in this table.

Alcohol-related deaths constitute 5.9 percent of all deaths in 2010 and 8.8 percent of all male deaths. Males died of such causes 3.3 times more frequently than women in 2010.

Alcohol-related deaths for seniors (65 or older) accounted for 45.5 percent of deaths; 39.0 percent were people between the ages of 45 and 64.

The numbers of deaths directly and indirectly related to alcohol are shown for the LHAs in Table 41.

There were 23 LHAs with at least five deaths where the observed values were statistically significant and above the expected values in both 2005-2009 and 2010 as shown in Table 41. There were 15 LHAs with SMRs that were statistically significant and low in both time periods. The map in Figure 44 shows the SMR quintiles and statistical significance patterns in each LHA during 2005-2009.

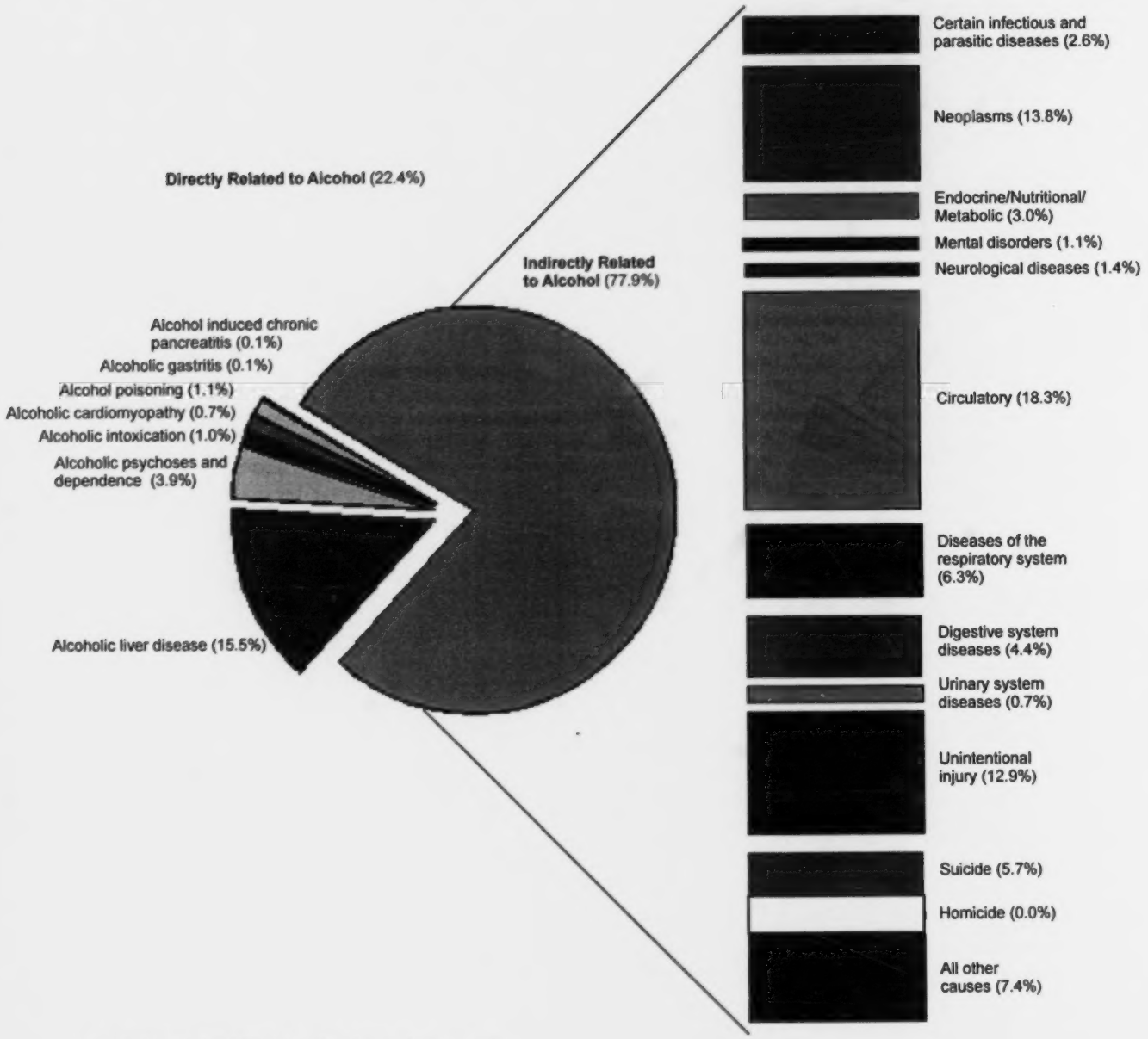
Many alcohol related deaths are referred to the BC Coroner Service for investigation. As with external causes of death, the medical coding will be incomplete until the coroner closes the investigation. For this reason the counts are often lower in the current year and are adjusted upwards in later annual reports.

TABLE 39
ALCOHOL-RELATED DEATHS BY CAUSE
BRITISH COLUMBIA, 2005–2009 AND 2010

Cause of Death	ICD-10 Code(s)	Year of Death			
		2005–2009		2010	
		Number	Percent	Number	Percent
Directly Related to Alcohol					
Alcohol intoxication	F100	140	1.4	18	1.0
Alcoholic psychoses and dependence	F101-F109	507	5.0	71	3.9
Alcoholic neurological disorders	G312, G621, G721	-	-	1	0.1
Alcoholic cardiomyopathy	I426	90	0.9	13	0.7
Alcoholic gastritis	K292	14	0.1	1	0.1
Alcoholic liver disease	K70	1,222	12.1	284	15.5
Alcohol induced chronic pancreatitis	K860	7	0.1	1	0.1
Alcohol poisoning	X45, X65	107	1.1	21	1.1
Other alcohol causes	E244, O354, O993, P043, Q860, R780, T510-T512, T519	-	-	-	-
Subtotal		**2,087**	**20.7**	**410**	**22.4**
Indirectly Related to Alcohol[1]					
Certain infectious and parasitic diseases	A00-B99,G14	313	3.1	48	2.6
Neoplasms	C00-D48	1,201	11.9	252	13.8
Endocrine/Nutritional/Metabolic	E00-E243, E248-E89	274	2.7	55	3.0
Mental disorders	F00-F09, F11-F99	129	1.3	21	1.1
Neurological diseases	G00-G311, G318-G620, G622-G720, G722-G99	112	1.1	25	1.4
Circulatory	I00-I425, I427-I99	1,963	19.5	336	18.3
Diseases of the respiratory system	J00-J98	706	7.0	116	6.3
Digestive system diseases	K00-K291, K293-K69	519	5.1	80	4.4
Urinary system diseases	N00-N39, N990, N991, N995	93	0.9	12	0.7
Unintentional injury	V01-X44, X46-X59, Y40-Y86, Y88	1,624	16.1	237	12.9
Suicide	X60-X64, X66-X84, Y87	505	5.0	105	5.7
Homicide	X85-Y09, Y871	52	0.5	-	-
All other causes		504	5.0	135	7.4
Subtotal		**7,995**	**79.3**	**1,422**	**77.6**
TOTAL		**10,082**	**100.0**	**1,832**	**100.0**

Note: [1]ICD-10 codes for indirectly related to alcohol exclude the codes for directly related to alcohol and will not match the list of codes used for these categories in other tables.
Total percentage may not add up to 100 due to rounding. Non-residents are excluded.
Coding practices from 1995 to 1999 may have produced over-counting of alcohol-related mortality. With the introduction of ICD-10 in 2000, more specific codes are available. Currently produced data should not be used in combination with data produced prior to 2000. The output from ICD-10 mortality coding and underlying cause of death selection was modified in BC to reflect the intent of certifiers in this jurisdiction and to provide greater continuity over time. Data using the standard ICD-10 rules for such categories as pneumonia/influenza, diabetes, or cancer should not be compared to the numbers shown above.
In 2008, the BC Coroners Service and BC Vital Statistics Agency engaged in a retrospective review of death registrations of alcohol-related fatalities. As a result of the project, a number of registrations were amended and are reflected in this report.

FIGURE 43
ALCOHOL-RELATED DEATHS BY CAUSE
BRITISH COLUMBIA, 2010



See Table 39 for ICD-10 codes for each category.

TABLE 40
ALCOHOL-RELATED DEATHS BY AGE AND GENDER
BRITISH COLUMBIA, 2010

Age	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
<15	1	0.1	-	-	1	0.1
15-19	7	0.5	8	1.9	15	0.8
20-24	28	2.0	10	2.3	38	2.1
25-44	174	12.4	55	12.8	229	12.5
45-64	573	40.9	142	32.9	715	39.0
65-84	539	38.5	161	37.4	700	38.2
85+	79	5.6	55	12.8	134	7.3
TOTAL	**1,401**	**100.0**	**431**	**100.0**	**1,832**	**100.0**

Note: Alcohol-related deaths – see Table 39 for ICD-10 codes and Glossary for more details.
Total percentage may not add up to 100 due to rounding. Non-residents are excluded.
Coding practices from 1995 to 1999 may have produced over-counting of alcohol-related mortality.
With the introduction of ICD-10 in 2000, more specific codes are available.
Currently produced data should not be used in combination with data produced prior to 2000.

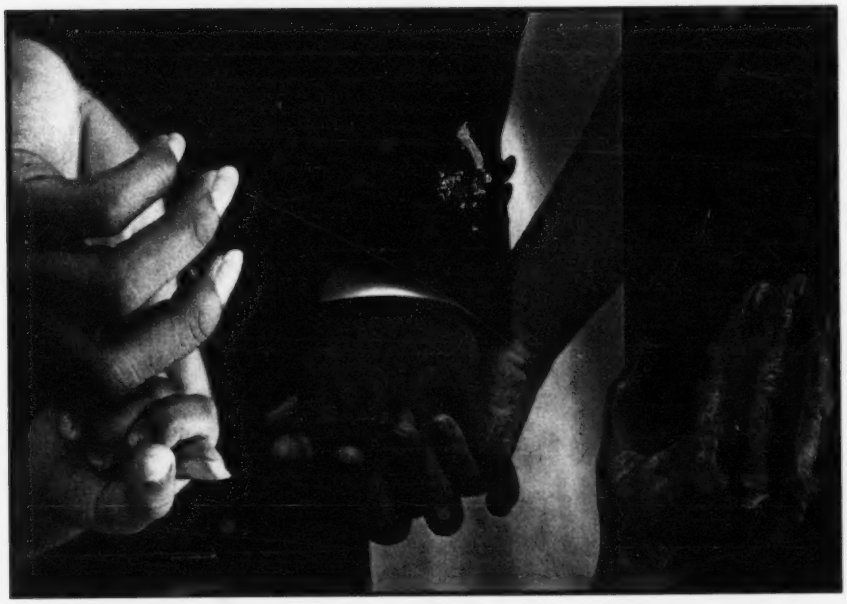


Table 41

STANDARDIZED MORTALITY RATIO BY LOCAL HEALTH AREA ALCOHOL-RELATED DEATHS, BRITISH COLUMBIA, 2005–2009 AND 2010

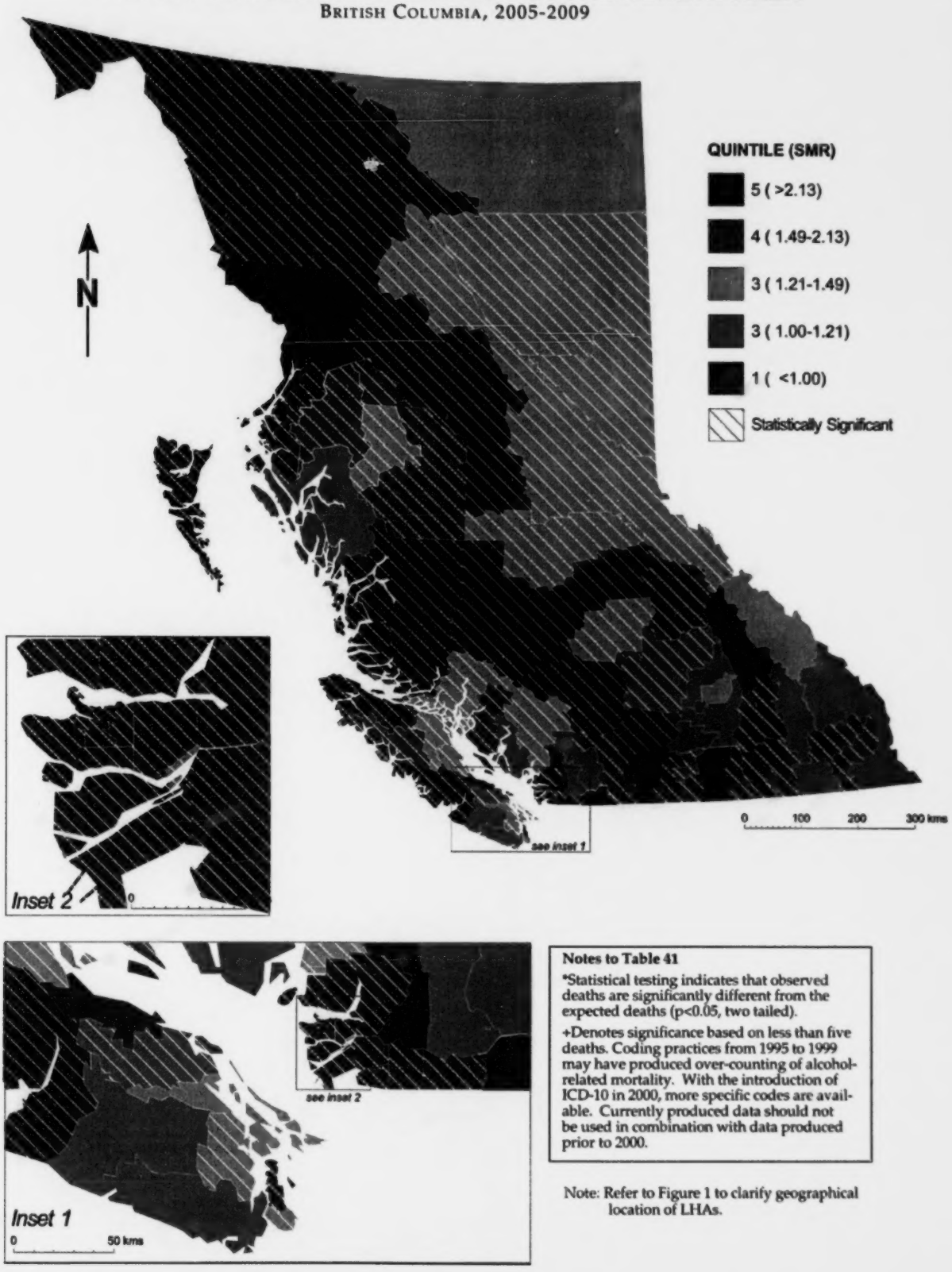
Local Health Area		2005–2009 Observed Deaths	SMR	(p)	2010 Observed Deaths	Expected Deaths	SMR	(p)	95% Confidence Interval Lower	Upper
001	Fernie	37	1.12		5	5.98	0.84		0.27	1.95
002	Cranbrook	93	1.51	*	16	11.10	1.44		0.82	2.34
003	Kimberley	35	1.49	*	8	4.18	1.91		0.82	3.77
004	Windermere	29	1.17		4	4.49	0.89		0.24	2.28
005	Creston	41	1.08		3	6.65	0.45		0.09	1.32
006	Kootenay Lake	12	1.10		3	1.94	1.55		0.31	4.51
007	Nelson	92	1.54	*	12	10.69	1.12		0.58	1.96
009	Castlegar	50	1.50	*	8	6.04	1.32		0.57	2.61
010	Arrow Lakes	26	1.82	*	2	2.52	0.79		0.09	2.87
011	Trail	100	1.92	*	17	9.13	1.86	*	1.08	2.98
012	Grand Forks	43	1.57	*	3	4.81	0.62		0.13	1.82
013	Kettle Valley	11	0.99		2	2.02	0.99		0.11	3.57
014	Southern Okanagan	115	1.71	*	10	11.72	0.85		0.41	1.57
015	Penticton	146	1.19	*	24	21.43	1.12		0.72	1.67
016	Keremeos	31	1.76	*	8	3.10	2.58	*	1.11	5.09
017	Princeton	15	0.89		1	3.11	0.32		0.00	1.79
018	Golden	19	1.22		5	2.79	1.79		0.58	4.18
019	Revelstoke	18	0.98		2	3.25	0.61		0.07	2.22
020	Salmon Arm	111	1.13		19	17.67	1.08		0.65	1.68
021	Armstrong - Spallumcheen	19	0.76		3	4.57	0.66		0.13	1.92
022	Vernon	174	1.02		30	30.63	0.98		0.66	1.40
023	Central Okanagan	457	1.02		80	81.27	0.98		0.78	1.23
024	Kamloops	314	1.20	*	56	47.02	1.19		0.90	1.55
025	100 Mile House	57	1.34	*	11	7.61	1.44		0.72	2.59
026	North Thompson	23	2.09	*	3	1.97	1.52		0.31	4.44
027	Cariboo - Chilcotin	140	2.34	*	22	10.79	2.04	*	1.28	3.09
028	Quesnel	81	1.46	*	22	10.00	2.20	*	1.38	3.33
029	Lillooet	34	3.23	*	7	1.89	3.71	*	1.49	7.64
030	South Cariboo	52	2.54	*	10	3.68	2.72	*	1.30	5.00
031	Merritt	64	2.23	*	4	5.03	0.79		0.21	2.04
032	Hope	46	1.96	*	10	4.12	2.43	*	1.16	4.46
033	Chilliwack	171	0.90		25	34.92	0.72		0.46	1.06
034	Abbotsford	215	0.77	*	25	49.88	0.50	*	0.32	0.74
035	Langley	232	0.85	*	36	52.58	0.68	*	0.48	0.95
037	Delta	157	0.68	*	29	43.56	0.67	*	0.45	0.96
038	Richmond	159	0.38	*	28	73.78	0.38	*	0.25	0.55
040	New Westminster	197	1.42	*	21	25.17	0.83		0.52	1.28
041	Burnaby	343	0.72	*	57	84.88	0.67	*	0.51	0.87
042	Maple Ridge	157	0.86		36	33.49	1.07		0.75	1.49
043	Coquitlam	256	0.61	*	35	77.55	0.45	*	0.31	0.63
044	North Vancouver	166	0.54	*	38	55.47	0.69	*	0.48	0.94
045	West Vancouver-Bowen Is.	74	0.50	*	14	25.46	0.55	*	0.30	0.92
046	Sunshine Coast	85	0.99		18	15.76	1.14		0.68	1.81
047	Powell River	92	1.62	*	19	10.15	1.87	*	1.13	2.92
048	Howe Sound	78	1.33	*	13	11.16	1.16		0.62	1.99
049	Bella Coola Valley	33	5.00	*	2	1.16	1.73		0.19	6.23
050	Queen Charlotte	40	3.80	*	7	1.83	3.83	*	1.53	7.89
051	Snow Country	3	2.20		-	0.23	-		-	-
052	Prince Rupert	71	2.32	*	12	5.40	2.22	*	1.15	3.88
053	Upper Skeena	19	1.76	*	7	1.89	3.71	*	1.49	7.65
054	Smithers	47	1.44	*	5	5.97	0.84		0.27	1.96
055	Burns Lake	34	1.93	*	7	3.09	2.27		0.91	4.67
056	Nechako	71	2.24	*	12	5.65	2.13	*	1.10	3.71
057	Prince George	281	1.43	*	65	35.38	1.84	*	1.42	2.34
059	Peace River South	81	1.44	*	21	10.01	2.10	*	1.30	3.21
060	Peace River North	81	1.44	*	19	10.25	1.85	*	1.12	2.89
061	Greater Victoria	675	1.24	*	135	93.78	1.44	*	1.21	1.70
062	Sooke	137	1.03		27	25.35	1.06		0.70	1.55
063	Saanich	143	0.73	*	21	34.51	0.61	*	0.38	0.93
064	Gulf Islands	64	1.25		10	9.19	1.09		0.52	2.00
065	Cowichan	180	1.26	*	50	25.85	1.93	*	1.44	2.55
066	Lake Cowichan	18	1.10		9	2.96	3.04	*	1.39	5.77
067	Ladysmith	68	1.27		12	9.87	1.22		0.63	2.12
068	Nanaimo	296	1.14	*	73	47.17	1.55	*	1.21	1.95
069	Qualicum	144	0.94		32	27.81	1.15		0.79	1.62
070	ALberni	175	2.18	*	35	14.29	2.45	*	1.71	3.41
071	Courtenay	228	1.37	*	31	30.78	1.01		0.68	1.43
072	Campbell River	146	1.46	*	31	18.34	1.69	*	1.15	2.40
075	Mission	89	1.05		13	15.30	0.85		0.45	1.45
076	Agassiz - Harrison	26	1.11		6	4.09	1.47		0.54	3.19
077	Summerland	24	0.66	*	9	6.30	1.43		0.65	2.71
078	Enderby	29	1.40		4	3.79	1.06		0.28	2.71
080	Kitimat	28	1.20		7	4.13	1.70		0.68	3.49
081	Fort Nelson	14	1.49		5	1.68	2.98		0.96	6.96
083	Central Coast	20	7.33	*	1	0.48	2.07		0.03	11.54
084	Vancouver Island West	12	1.99	*	-	1.04	-		-	-
085	Vancouver Island North	77	2.90	*	19	4.77	3.98	*	2.40	6.22
087	Stikine	11	4.46	*	-	0.42	-		-	-
088	Terrace	84	1.98	*	17	7.68	2.21	*	1.29	3.54
092	Nisga'a	14	3.79	*	-	0.67	-		-	-
094	Telegraph Creek	6	4.77	*	3	0.22	13.74	*	2.76	40.14
161	Vancouver - City Centre	180	0.77	*	27	41.91	0.64	*	0.42	0.94
162	Vancouver - Downtown E.side	332	2.32	*	52	27.76	1.87	*	1.40	2.46
163	Vancouver - North East	116	0.51	*	23	39.89	0.58	*	0.37	0.87
164	Vancouver - Westside	124	0.44	*	24	48.25	0.50	*	0.32	0.74
165	Vancouver - Midtown	130	0.74	*	13	31.98	0.41	*	0.22	0.70
166	Vancouver - South	148	0.49	*	26	52.20	0.50	*	0.33	0.73
201	Surrey	565	0.82	*	123	138.31	0.89		0.74	1.06
202	South Surrey/White Rock	136	0.58	*	28	45.36	0.62	*	0.41	0.89
PROVINCIAL TOTAL		**10,062**	**1.00**		**1,832**	**1,832.00**	**1.00**		**0.95**	**1.05**

Notes for this table follow the map (Figure 44).

FIGURE 44

ALCOHOL-RELATED DEATHS BY LOCAL HEALTH AREA

BRITISH COLUMBIA, 2005-2009



Notes to Table 41

*Statistical testing indicates that observed deaths are significantly different from the expected deaths ($p<0.05$, two tailed).

+Denotes significance based on less than five deaths. Coding practices from 1995 to 1999 may have produced over-counting of alcohol-related mortality. With the introduction of ICD-10 in 2000, more specific codes are available. Currently produced data should not be used in combination with data produced prior to 2000.

Note: Refer to Figure 1 to clarify geographical location of LHAs.

Smoking-Attributable Deaths

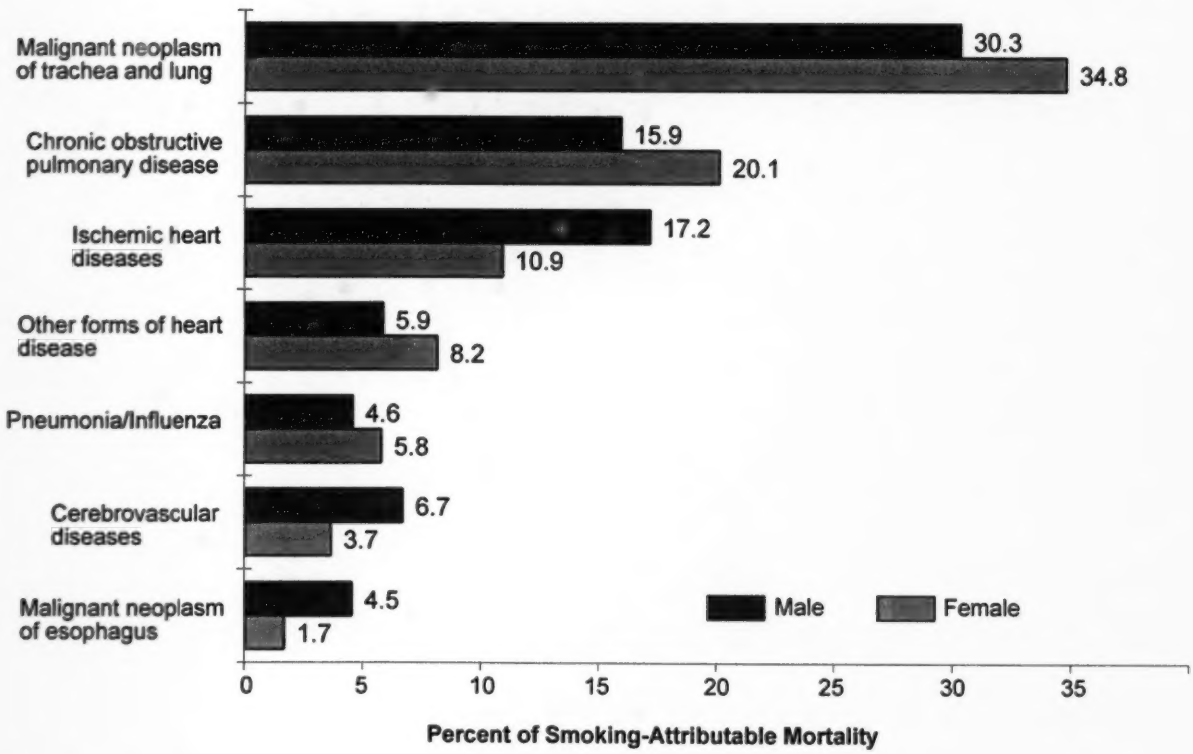
Table 42 and Figure 45 portray the number and percent of deaths in 2010 that were attributable to smoking for those aged 35 years and older. The age restriction relates to the fact that smoking-attributable conditions generally become apparent over time and after several years of tobacco use. Because the decedent's smoking history is usually not available on the death record, the link between smoking and mortality is estimated indirectly. Research-derived proportions of deaths from certain diseases (like lung cancer) that are due to smoking are used to estimate the number of smoking-attributable deaths due to those diseases. See the Glossary entry on Smoking-Attributable Mortality (SAM) for details and the Methodology section for the calculation formulae for these indicators.

Figure 45 shows the smoking-attributable portion of each of seven cause-of-death categories selected according to highest SAM number from Table 42.

Table 42 shows the number of deaths by causes and the count and percentage of those deaths that are attributed to smoking. Also shown is the percentage of total SAM by cause category.

In 2010, there were 6,071 deaths attributed to smoking as shown in Table 42. By far the largest disease category was malignant neoplasms of trachea and lung (32.1 percent) followed by chronic obstructive pulmonary disease (17.7 percent) and ischemic heart disease (14.6 percent).

FIGURE 45
SMOKING-ATTRIBUTABLE MORTALITY BY SELECTED CAUSES AND GENDER
BRITISH COLUMBIA, 2010



Note: Ischemic heart disease includes 35-64 years and 65+ years.
Cerebrovascular disease includes 35-64 years and 65+ years.

TABLE 42
SMOKING-ATTRIBUTABLE MORTALITY
BRITISH COLUMBIA, 2010

Cause of Death	ICD-10 Code(s)	Male				Female				Total		
		Deaths	SAM (%)	SAM Number	SAM Percent	Deaths	SAM (%)	SAM Number	SAM Percent	Deaths	SAM Number	SAM Percent
Malignant Neoplasms												
Malignant neoplasms of lip, oral cavity and pharynx	C00-C14	94	91.2	86	2.4	44	59.9	26	1.0	138	112	1.8
Malignant neoplasm of esophagus	C15	207	78.2	162	4.5	60	71.0	43	1.7	267	204	3.4
Malignant neoplasm of pancreas	C25	281	21.7	61	1.7	252	33.9	85	3.4	533	146	2.4
Malignant neoplasm of larynx	C32	27	79.7	22	0.6	7	87.2	6	0.2	34	28	0.5
Malignant neoplasm of trachea and lung	C33-C34	1,207	89.3	1,078	30.3	1,142	76.5	874	34.8	2,349	1,951	32.1
Malignant neoplasms of cervix, uterus	C53-C55	-	-	-	-	171	33.9	58	2.3	171	58	1.0
Malignant neoplasm of bladder	C67	204	44.8	91	2.6	77	37.6	29	1.2	281	120	2.0
Malignant neoplasm of kidney and other unspecified urinary organs	C64-C66, C68	134	46.8	63	1.8	72	12.4	9	0.4	206	72	1.2
SUBTOTAL		**2,154**		**1,562**	**43.9**	**1,825**		**1,130**	**45.0**	**3,979**	**2,692**	**44.3**
Circulatory System Diseases												
Hypertension	I10-I13	146	24.6	36	1.0	240	16.4	39	1.6	386	75	1
Ischemic heart diseases :	I20-I25											
35-64 years		490	43.2	212	5.9	96	36.5	35	1.4	586	247	4.1
65+ years		1,891	21.1	399	11.2	1,639	14.6	239	9.5	3,530	638	10.5
Other forms of heart disease	I01-I09, I27 I30-I52	787	26.5	209	5.9	1,057	19.4	205	8.2	1,844	414	6.8
Cerebrovascular diseases :	I60-I69											
35-64 years		106	44.8	47	1.3	67	49.3	33	1.3	173	81	1.3
65+ years		816	23.4	191	5.4	1,230	4.8	59	2.3	2,046	250	4.1
Atherosclerosis	I70	21	55.5	12	0.3	54	31.7	17	0.7	75	29	0.5
Aortic aneurysm	I71	102	55.5	57	1.6	66	31.7	21	0.8	168	78	1.3
Other arterial diseases	I26, I28, I72-I78	92	55.5	51	1.4	113	31.7	36	1.4	205	87	1.4
SUBTOTAL		**4,451**		**1,213**	**34.1**	**4,562**		**685**	**27.2**	**9,013**	**1,898**	**31.3**
Respiratory System Diseases												
Pneumonia/Influenza	J09-J181, J188, J189	499	32.7	163	4.6	554	26.3	146	5.8	1,053	309	5.1
Bronchitis, emphysema	J40-J43	56	84.7	47	1.3	52	79.2	41	1.6	108	89	1.5
Chronic obstructive pulmonary disease	J44	669	84.7	567	15.9	638	79.2	505	20.1	1,307	1,072	17.7
Other respiratory diseases	A15-A19, J45-J46	18	32.7	6	0.2	23	26.3	6	0.2	41	12	0.2
SUBTOTAL		**1,242**		**783**	**22.0**	**1,267**		**698**	**27.8**	**2,509**	**1,481**	**24.4**
TOTAL		**7,847**		**3,558**	**100.0**	**7,654**		**2,513**	**100.0**	**15,501**	**6,071**	**100.0**

Note: Deaths are the total number of deaths aged 35+ years or as specified in the diagnostic category.
SAM – Smoking-Attributable Mortality, derived by multiplying the SAM(%) by the number of deaths in each category.
See glossary under Smoking-Attributable Mortality Percent for a definition of the formula for SAM(%).
Total SAM Number may not add up to the sum of Male SAM Number and Female SAM Number due to rounding.
Non-residents are excluded.
The output from ICD-10 mortality coding and underlying cause of death selection was modified in BC to reflect the intent of certifiers in this jurisdiction and to provide greater continuity over time. Data using the standard ICD-10 rules for such categories as pneumonia/influenza, diabetes, or cancer should not be compared to the numbers shown above.

Drug-Induced Deaths

Drug-induced deaths are all deaths directly due to drug use, including use of illicit, prescribed, and over-the-counter drugs. This category excludes causes indirectly related to drug use and also excludes those deaths due to alcohol or smoking. See Table 44 for a list of the drug induced death categories.

Table 43 shows that more males (223) died of drug-induced causes than females (116). Among individuals aged 25 to 64 years, there were 289 drug-induced deaths (85.3 percent), and 155 drug-induced deaths (45.7 percent) in the 45 to 64 year age-group.

Table 44 presents drug-induced deaths by cause for 2005-2009 and 2010. In 2010, 69.3 percent of drug-induced deaths were the result of accidental poisoning by drugs compared to 68.1 percent in the previous five years. Of the 454 suicide deaths in BC in 2010, 16.3 percent were drug-induced.

Figure 46 is a graphic presentation of the results from Table 44. In 2010, almost all drug induced deaths were unintentional poisoning or suicide.

Table 45 shows the number of observed and expected drug-induced deaths and the ratio of observed to expected deaths (SMR) in each LHA in 2010 and in the previous five years. In 2010, 22 LHAs had no drug-induced deaths and 5 had no drug-induced deaths in 2005-2009.

Vancouver - Downtown Eastside was the only LHA where the observed number of deaths was more than 5 and statistically significantly higher than the expected numbers in 2010 as well as the previous five years.

Figure 47 maps the variation of SMRs in the LHAs divided into quintiles for 2005-2009.

TABLE 43

DRUG–INDUCED DEATHS BY AGE AND GENDER

BRITISH COLUMBIA, 2010

Age	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
<15	-	-	1	0.9	1	0.3
15-19	3	1.3	2	1.7	5	1.5
20-24	11	4.9	4	3.4	15	4.4
25-44	90	40.4	44	37.9	134	39.5
45-64	102	45.7	53	45.7	155	45.7
65-84	15	6.7	6	5.2	21	6.2
85+	2	0.9	6	5.2	8	2.4
TOTAL	**223**	**100.0**	**116**	**100.0**	**339**	**100.0**

Note: Excludes tobacco and alcohol

Drug-induced deaths – see Table 44 for ICD-10 codes and Glossary for more details.
Total percentage may not add up to 100 due to rounding.
Non-residents are excluded.

TABLE 44
DRUG-INDUCED DEATHS BY CAUSE
BRITISH COLUMBIA, 2005–2009 AND 2010

Cause of Death	ICD-10 Code(s)	Year of Death: 2005–2009 Number	2005–2009 Percent	2010 Number	2010 Percent
Psychoactive substance and drug use/abuse	F11-F16, F19	123	5.7	12	3.5
Accidental poisoning by drugs	X40-X44	1,481	68.1	235	69.3
Suicide by drugs	X60-X64	460	21.1	74	21.8
Assault by drugs and medicaments	X85	-	-	1	0.3
Poisoning by drugs and medicaments undetermined if accidental or intentional	Y10-Y14	83	3.8	15	4.4
Adverse effects of drugs and medicaments	Y40-Y574, Y577-Y579, Y598, Y880	26	1.2	1	0.3
Other drug causes*		2	0.1	1	0.3
TOTAL		**2,175**	**100.0**	**339**	**100.0**

Note: Excludes tobacco and alcohol. Total percentage may not add to 100 due to rounding. Non-residents are excluded.
*ICD-10 codes D521, D590, D592, D611, D642, E032, E064, E231, E242, E273, F55, F551, G210, G211, G240, G251, G254, G256, G444, G620, G720, H263, I427, I952, J702, J703, J704, L105, L233, L244, L251, L270, L271, L432, L560, L561, L640, M022, M102, M320, M804, M814, M835, M871, N140, N141, N142, O355, P040, P041, P044, P584, P961, P962, R781, R782, R783, R784, R785, R786, R825.

FIGURE 46
DRUG-INDUCED DEATHS BY CAUSE
BRITISH COLUMBIA, 2010

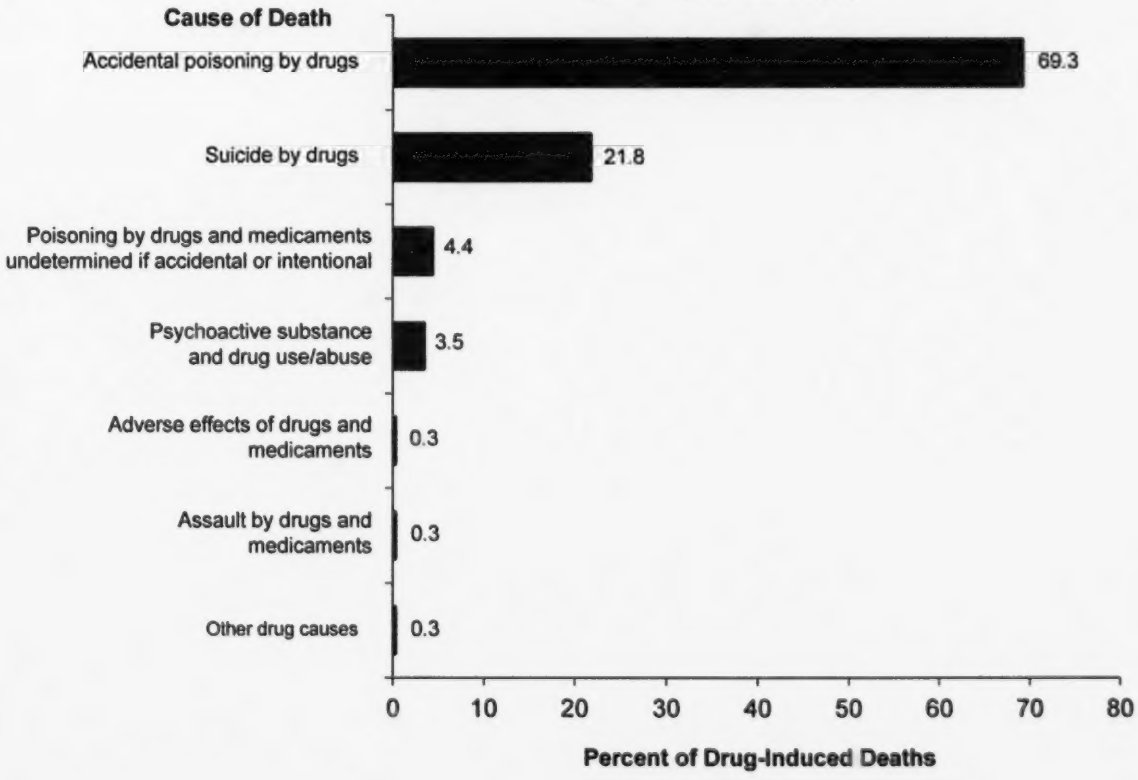


Table 112

STANDARDIZED MORTALITY RATIO BY LOCAL HEALTH AREA DRUG-INDUCED DEATHS, BRITISH COLUMBIA, 2005–2009 AND 2010

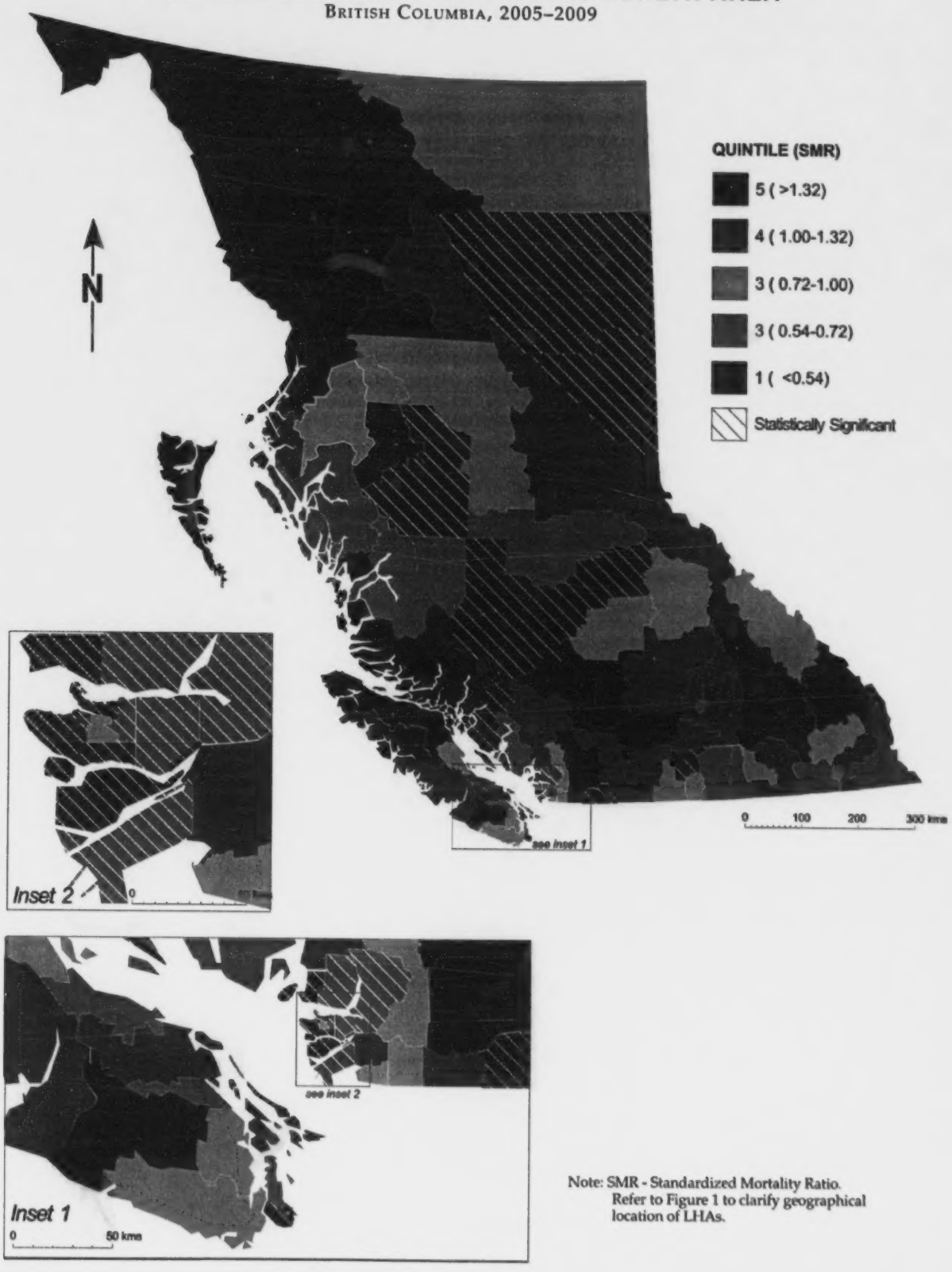
Local Health Area		2005–2009 Observed Deaths	2005–2009 SMR (p)	2010 Observed Deaths	2010 Expected Deaths	2010 SMR (p)	95% Confidence Interval Lower	95% Confidence Interval Upper
001	Fernie	5	0.65	1	1.16	0.86	0.01	4.78
002	Cranbrook	15	1.23	1	1.87	0.54	0.01	2.98
003	Kimberley	3	0.72	1	0.65	1.55	0.02	8.62
004	Windermere	2	0.40	-	0.82	-	-	-
005	Creston	3	0.54	1	0.87	1.15	0.02	6.41
006	Kootenay Lake	1	0.53	-	0.29	-	-	-
007	Nelson	13	1.04	-	1.92	-	-	-
009	Castlegar	6	0.92	1	1.02	0.98	0.01	5.48
010	Arrow Lakes	1	0.43	-	0.35	-	-	-
011	Trail	11	1.15	2	1.42	1.41	0.16	5.08
012	Grand Forks	3	0.71	-	0.63	-	-	-
013	Kettle Valley	1	0.55	-	0.28	-	-	-
014	Southern Okanagan	7	0.79	1	1.38	0.73	0.01	4.04
015	Penticton	36	1.84 *	2	3.03	0.66	0.07	2.39
016	Keremeos	2	0.85	1	0.37	2.72	0.04	15.15
017	Princeton	3	1.22	-	0.40	-	-	-
018	Golden	3	0.79	-	0.58	-	-	-
019	Revelstoke	1	0.24	1	0.61	1.64	0.02	9.13
020	Salmon Arm	19	1.17	5	2.53	1.98	0.64	4.61
021	Armstrong - Spallumcheen	3	0.66	-	0.69	-	-	-
022	Vernon	39	1.27	5	4.77	1.05	0.34	2.44
023	Central Okanagan	102	1.20	11	13.70	0.80	0.40	1.44
024	Kamloops	63	1.18	12	8.19	1.47	0.76	2.56
025	100 Mile House	7	0.96	-	1.10	-	-	-
026	North Thompson	2	0.94	1	0.31	3.23	0.04	17.97
027	Cariboo - Chilcotin	23	1.74 *	1	1.97	0.51	0.01	2.82
028	Quesnel	7	0.61	4	1.73	2.31	0.62	5.91
029	Lillooet	4	1.85	1	0.32	3.09	0.04	17.22
030	South Cariboo	8	2.28	-	0.53	-	-	-
031	Merritt	10	1.79	2	0.82	2.44	0.27	8.80
032	Hope	5	1.27	1	0.59	1.70	0.02	9.43
033	Chilliwack	53	1.40 *	4	6.06	0.66	0.18	1.69
034	Abbotsford	67	1.07	14	9.86	1.42	0.78	2.38
035	Langley	48	0.78	11	9.38	1.17	0.58	2.10
037	Delta	31	0.63 *	4	7.19	0.56	0.15	1.42
038	Richmond	36	0.38 *	9	14.89	0.60	0.28	1.15
040	New Westminster	48	1.42 *	4	5.39	0.74	0.20	1.90
041	Burnaby	79	0.71 *	15	17.57	0.85	0.48	1.41
042	Maple Ridge	38	0.84	7	7.10	0.99	0.39	2.03
043	Coquitlam	65	0.61 *	10	16.85	0.59	0.28	1.09
044	North Vancouver	45	0.65 *	5	10.78	0.46	0.15	1.08
045	West Vancouver-Bowen Is.	11	0.46 *	2	3.72	0.54	0.06	1.94
046	Sunshine Coast	10	0.70	2	2.24	0.89	0.10	3.22
047	Powell River	19	1.96 *	1	1.46	0.68	0.01	3.80
048	Howe Sound	18	1.01	-	2.88	-	-	-
049	Bella Coola Valley	1	0.69	-	0.21	-	-	-
050	Queen Charlotte	4	1.63	2	0.34	5.80	0.65	20.94
051	Snow Country	-	-	1	0.04	23.62	0.31	131.43
052	Prince Rupert	8	1.13	1	1.03	0.97	0.01	5.42
053	Upper Skeena	2	0.79	-	0.38	-	-	-
054	Smithers	4	0.51	2	1.15	1.74	0.20	6.27
055	Burns Lake	-	- *	2	0.57	3.50	0.39	12.64
056	Nechako	7	0.97	1	1.05	0.95	0.01	5.31
057	Prince George	49	1.02	4	7.21	0.55	0.15	1.42
059	Peace River South	5	0.39 *	2	2.00	1.00	0.11	3.60
060	Peace River North	6	0.37 *	1	2.52	0.40	0.01	2.21
061	Greater Victoria	160	1.43 *	24	17.06	1.41	0.90	2.09
062	Sooke	29	0.89	4	5.34	0.75	0.20	1.92
063	Saanich	21	0.69	4	4.62	0.87	0.23	2.22
064	Gulf Islands	8	1.06	-	1.21	-	-	-
065	Cowichan	25	0.93	3	4.16	0.72	0.14	2.11
066	Lake Cowichan	5	1.59	1	0.49	2.05	0.03	11.38
067	Ladysmith	5	0.57	-	1.39	-	-	-
068	Nanaimo	51	1.03	13	7.71	1.69	0.90	2.89
069	Qualicum	13	0.62	2	3.29	0.61	0.07	2.20
070	Alberni	17	1.10	2	2.30	0.87	0.10	3.14
071	Courtenay	27	0.88	3	4.77	0.63	0.13	1.84
072	Campbell River	29	1.40	9	3.11	2.90 *	1.32	5.50
075	Mission	28	1.36	7	3.21	2.18	0.87	4.49
076	Agassiz - Harrison	8	1.93	1	0.64	1.57	0.02	8.73
077	Summerland	1	0.18	1	0.82	1.22	0.02	6.76
078	Enderby	4	1.11	1	0.55	1.83	0.02	10.17
080	Kitimat	3	0.56	2	0.77	2.58	0.29	9.33
081	Fort Nelson	3	0.94	-	0.47	-	-	-
083	Central Coast	1	1.43	-	0.10	-	-	-
084	Vancouver Island West	-	-	-	0.19	-	-	-
085	Vancouver Island North	11	1.75	2	0.91	2.21	0.25	7.97
087	Stikine	-	-	-	0.08	-	-	-
088	Terrace	9	0.93	3	1.45	2.07	0.42	6.05
092	Nisga'a	2	2.17	-	0.14	-	-	-
094	Telegraph Creek	-	-	-	0.05	-	-	-
161	Vancouver - City Centre	89	1.29 *	14	10.72	1.31	0.71	2.19
162	Vancouver - Downtown E.side	200	5.64 *	28	6.33	4.43 *	2.94	6.40
163	Vancouver - North East	38	0.69 *	2	8.18	0.24 +	0.03	0.88
164	Vancouver - Westside	34	0.51 *	6	10.24	0.59	0.21	1.28
165	Vancouver - Midtown	40	0.87	1	7.42	0.13 +	0.00	0.75
166	Vancouver - South	29	0.43 *	8	10.29	0.78	0.33	1.53
201	Surrey	190	1.07	31	28.15	1.10	0.75	1.56
202	South Surrey/White Rock	29	0.74	6	6.09	0.99	0.36	2.15
	PROVINCIAL TOTAL	**2,175**	**1.00**	**339**	**339.00**	**1.00**	**0.90**	**1.11**

Note: *Statistical testing indicates that observed deaths are significantly different from the expected deaths ($p<0.05$, two tailed).
+Denotes significance based on less than five deaths. SMR - Standardized Mortality Ratio. Total includes residents with unknown LHA.

FIGURE 47

DRUG-INDUCED DEATHS BY LOCAL HEALTH AREA

BRITISH COLUMBIA, 2005–2009



Note: SMR - Standardized Mortality Ratio.
Refer to Figure 1 to clarify geographical location of LHAs.

Drug Overdose Deaths

This section provides information on deaths due to unintentional poisoning by illicit/illegal drugs. These deaths are a small portion of deaths due to unintentional poisoning by drugs, and exclude accidental poisoning by drugs in therapeutic use.

Data on unintentional illicit/illegal drug deaths are retrieved from the Coroners' Medical Certificate of Death. This section only considers deaths where an overdose occurred and was determined to be the underlying cause of death. Deaths due to conditions that may arise from substance abuse, such as Hepatitis 'B' and 'C' and HIV, are excluded from consideration.

Among the substances implicated in these overdoses, there are those generally referred to as "illicit drugs" – heroin, cocaine, and "psychostimulants with abuse potential" including "crystal meth" (methamphetamine hydrochloride) and "ecstasy" (methylenedioxy-methamphetamine). A more precise term for these chemicals might be "illegal" drugs as there is no medically recognized, legal use for either "ecstasy" or "crystal meth". Although both heroin and cocaine have very limited therapeutic uses, in circumstances where a fatal overdose has occurred it is almost certain that these drugs would have been obtained via illegal means.

On the other hand, where morphine is implicated, it is possible that some of the deaths involved legally obtained drugs because morphine is prescribed for chronic and/or severe pain (such as that associated with advanced cancer) and if taken improperly could result in an unintentional overdose. Unfortunately, it is not always possible to differentiate whether an opiate overdose was caused by heroin or morphine, as the information received on the coroners' final reports does not consistently differentiate. Often coroners record "morphine type" overdose, hence the label "heroin/morphine type".

Although methadone is often used legally in the treatment of opiate addiction, a number of deaths are occurring as the result of unintentional methadone overdoses. Therefore, it would appear that methadone is being used in unsanctioned ways resulting in death.

Table 46 shows that deaths due to unintentional overdoses are not confined to any one area in the province. ASMRs for 2010 at the time of reporting appear to have declined in all areas. However, as with other externally caused deaths, reporting is often delayed due to the time required for coroners to complete and report their findings to the Agency. Therefore, these results should be viewed with caution.

Table 47 and Figure 48 depict a general decline in drug overdose fatalities. The ASMR has been consistently much higher for males than for females.

TABLE 46
ASMR FOR UNINTENTIONAL ILLICIT/ILLEGAL OVERDOSE DEATHS BY HEALTH AUTHORITY
BRITISH COLUMBIA, 2004–2010

Health Authority	2004	2005	2006	2007	2008	2009	2009
01 Interior	0.75	0.71	0.53	0.83	0.53	0.84	0.52
02 Fraser	0.41	0.58	0.68	0.48	0.49	0.39	0.49
03 Vancouver Coastal	0.58	0.63	0.61	0.54	0.45	0.60	0.31
04 Vancouver Island	0.75	0.64	0.73	0.68	0.63	0.61	0.44
05 Northern	0.40	0.37	0.18	0.54	0.45	0.36	0.50
PROVINCIAL TOTAL	**0.56**	**0.60**	**0.61**	**0.58**	**0.51**	**0.54**	**0.43**

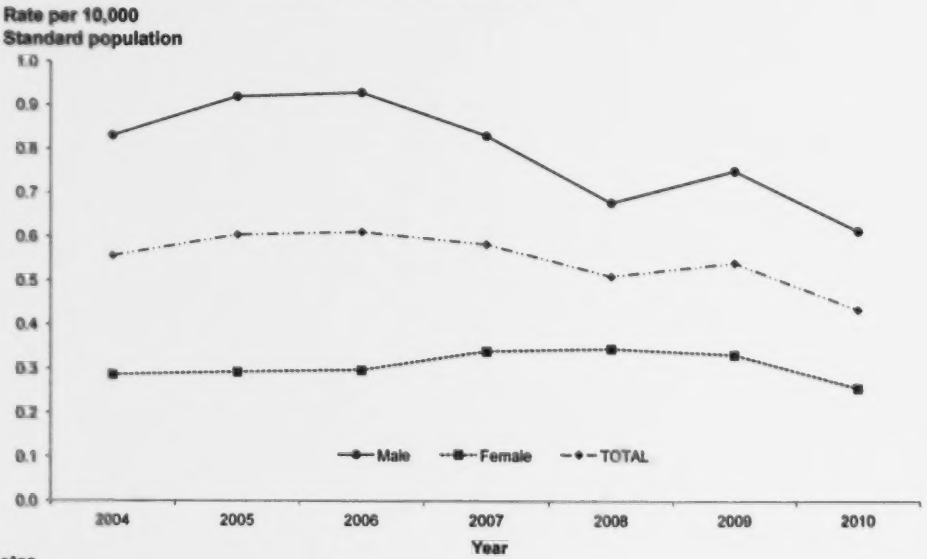
Note: Deaths that are still under investigation may later be identified as unintentional illicit/illegal overdose deaths.
ASMR - Age Standardized Mortality Rate per 10,000 standard population (Canada 1991 Census).
Non-residents are excluded.

TABLE 47
ASMR FOR UNINTENTIONAL ILLICIT/ILLEGAL OVERDOSE DEATHS BY GENDER
BRITISH COLUMBIA, 2004–2010

Gender	2004	2005	2006	2007	2008	2009	2010
Male	0.83	0.92	0.93	0.83	0.68	0.75	0.61
Female	0.29	0.29	0.30	0.34	0.35	0.33	0.26
TOTAL	**0.56**	**0.60**	**0.61**	**0.58**	**0.51**	**0.54**	**0.43**

Note: Deaths that are still under investigation may later be identified as unintentional illicit/illegal overdose deaths.
ASMR - Age Standardized Mortality Rate per 10,000 standard population (Canada 1991 Census).
Non-residents are excluded.

FIGURE 48
ASMR FOR UNINTENTIONAL ILLICIT/ILLEGAL OVERDOSE DEATHS BY GENDER
BRITISH COLUMBIA, 2004-2010



See Table 47 for notes.

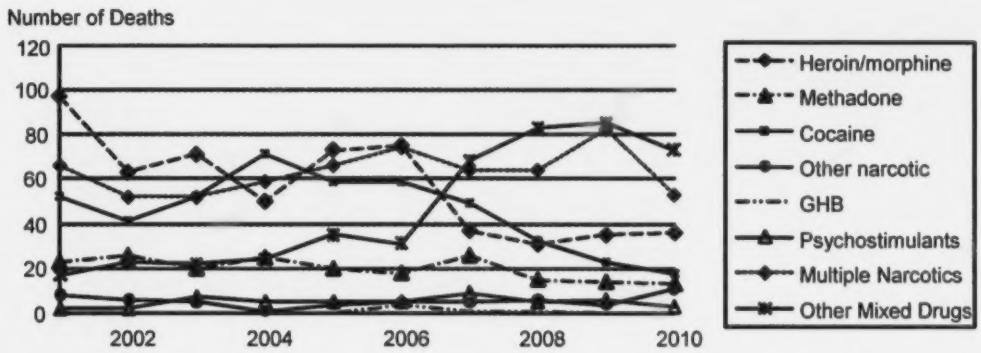
Vital Statistics Information Box

Unintentional Illicit/Illegal Drug Deaths
British Columbia, 2001-2010

In 1993, British Columbia experienced an unprecedented "high water" mark in unintentional drug overdoses. In that year, 470 people died as the result of unintentional poisoning by drugs. Over 300 of these were determined to be the result of illicit drug use. These included heroin and other opiates, methadone, and cocaine, used alone or in various combinations or with a variety of other substances being used illicitly.

This information box provides a code-based analysis of deaths due to accidental illicit drug overdoses in British Columbia since 2000. It is important to note that numbers for 2010 (and to a certain extent previous years) may be revised upwards as final reports from investigating coroners are submitted to the Agency for processing. This analysis includes deaths where unintentional drug overdose was determined to be the "underlying cause of death" (see Glossary for the definition of this term), and where the offending substances included selected "narcotics and psychodysleptics" – heroin, morphine, methadone, and cocaine - and "psychostimulants with abuse potential", specifically so-called "crystal meth" (methamphetamine hydrochloride) and "ecstasy" (methylenedioxymethamphetamine). "Mixed drug overdoses" included at least one of the above substances, as well as any other drug. A separate total for deaths in which mixed narcotics such as heroin with cocaine were implicated is also included, because multiple narcotic substances are used in combination relatively frequently.

Unintentional Illicit/Illegal Overdose Deaths by Type of Drug
British Columbia, 2001-2010



Vital Statistics Information Box

Counts of Deaths by Causative Substances

Over the past nine years, deaths involving single heroin/morphine type drug use appear to be declining slightly. On the other hand, deaths where cocaine was the only substance implicated appear to be on the increase, along with deaths from combined narcotics.

Deaths from the combined use of illicit drugs with other drugs (other than narcotics) have risen sharply since 2007 and remain the leading cause of illicit drug overdose since then.

The use of psychostimulants is a relatively new phenomenon. Its place as the direct cause of unintentional overdose does not appear to be rising. It is interesting to note that methadone, a substance used in the treatment of heroin addiction, is apparently being used illicitly and causing overdose deaths in and of itself.

Overdose Deaths by Type of Drug

British Columbia, 2001-2010

Drug	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Heroin/morphine type only	97	63	71	50	73	75	37	31	35	36
Methadone only	23	26	20	25	20	18	26	15	14	13
Cocaine only	52	41	52	71	59	59	49	32	23	18
Other narcotic/ hallucinogen only	8	6	5	1	4	5	5	6	4	11
GHB only	0	0	0	0	0	4	1	1	0	0
Psychostimulants* only	2	2	7	5	5	5	9	5	6	3
Multiple narcotics	66	52	52	59	66	74	64	64	82	53
Other mixed drugs	17	23	22	24	35	31	68	83	85	73
TOTAL	**265**	**213**	**229**	**235**	**262**	**271**	**259**	**237**	**249**	**207**

Note: Deaths that were still under investigation may later be identified as unintentional illicit/illegal overdose deaths.
*ICD-10 codes for psychostimulants include "crystal meth" and "ecstasy".
Unintentional illicit/illegal drug overdose deaths (X41, X42, X44) include these specified drug injury categories:

1) T40.0, T40.1, or T40.2 for heroin/morphine type.
2) T40.3 for methadone.
3) T40.5 for cocaine.
4) T40.4, T40.6, T40.9 for other narcotic/hallucinogen.
5) T41.2 for gamma hydroxybutyrate (GHB).
6) T43.6 for psychostimulant*.

Multiple Narcotic deaths involve mixed drugs from categories 1 - 4 only.
Other Mixed Drug deaths include one illicit drug from categories 1 - 6 (T40.0-T40.9, T41.2, T43.6) and one or more other drugs (T36.0-T48.6, T52.8, T53.9) and are not multiple narcotic deaths.
Non-residents are excluded.

Accidental Fall Deaths

In 2010, there were 1,669 deaths due to external causes among BC residents and of these, unintentional (accidental) deaths comprised over 69.3 percent (1,156) of non-natural deaths. Overall, falls were the leading cause of unintentional death, contributing 42.6 percent to this category in 2010 and exceeding fatal motor-vehicle incidents 493 to 240 (see Table 30).

Analysis of various causes of unintentional (accidental) mortality in 2010 shows that more females died as the result of a fall than males did. Of unintentional mortality, 34.0 percent of male deaths were the result of falls. In contrast, 55.0 percent of female unintentional mortality was the result of falls.

While fatal falls occur across the lifespan of British Columbians, the elderly are far more likely to succumb to the effects of a fall.

The data discussed so far only include events where the fall was determined to be the underlying cause of death (direct). There are additional deaths that involve accidental falls, but where the fall was considered to be only a contributing factor (indirect).

Table 48 and Figure 49 show how age specific rates compare between the two categories (direct and indirect) of fall-related deaths in BC for individuals aged 60 and older. Indirect fall-related deaths are more frequent among the over 70 age group than direct fall deaths; however, in the 60-69 age groups, direct fall deaths are more frequent.

The BC Injury Research and Prevention Unit (BCIRPU) is a national leader in falls injury research and in the design and implementation of falls prevention strategies. A summary of the initiatives undertaken by the BCIRPU can be viewed at the Unit's website: http://www.injuryresearch.bc.ca/index.aspx under "Falls Prevention" in the "Injury Topics" menu.

TABLE 48

DEATHS DIRECTLY AND INDIRECTLY DUE TO FALLS BY AGE

BRITISH COLUMBIA, 2004–2010

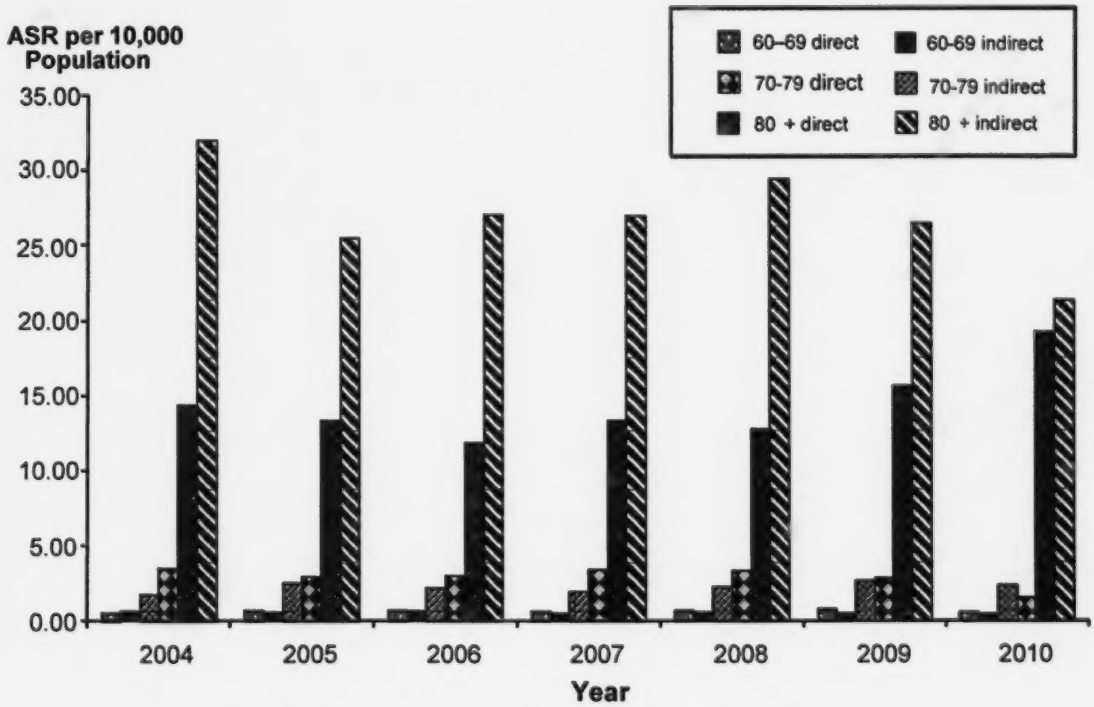
Cause of Death	Age (in Years)	2004		2005		2006		2007		2008		2009		2010	
		Counts	ASR	Counts	ASR	Counts	ASR	Counts	ASR	Counts	ASR	Counts	ASR	Counts	ASR
Directly due to falls															
	60-69	18	0.50	24	0.65	25	0.64	23	0.56	28	0.64	36	0.78	25	0.52
	70-79	44	1.71	65	2.50	57	2.16	50	1.87	61	2.25	72	2.61	64	2.27
	80+	221	14.27	213	13.27	196	11.79	228	13.25	226	12.71	287	15.57	366	19.12
Indirectly due to falls															
	60-69	21	0.59	20	0.54	24	0.62	18	0.44	23	0.53	19	0.41	16	0.33
	70-79	89	3.45	74	2.84	77	2.92	89	3.33	90	3.31	77	2.79	42	1.49
	80+	495	31.97	408	25.42	448	26.94	462	26.85	522	29.36	486	26.36	407	21.27

Note: ASR - Age Specific Rate per 10,000 population.

FIGURE 49

DEATHS DIRECTLY AND INDIRECTLY DUE TO FALLS, AGES 60-80+

BRITISH COLUMBIA, 2004-2010



Burials and Cremations

Table 49 shows the method used to dispose of decedents' remains.

In 2010, 81.4 percent of deaths resulted in cremations (25,355) and 17.8 percent involved burials (5,535).

Since 1986, the percentage of burials has consistently decreased.

TABLE 49
METHOD OF DISPOSITION OF DECEDENT
BRITISH COLUMBIA, 1986–2010

Year	Burial		Cremation		Other	N.S.	Total
	Number	Percent	Number	Percent			
1986	8,204	39.0	12,686	60.4	98	21	21,009
1987	8,211	38.0	13,279	61.4	104	25	21,619
1988	8,319	37.2	13,926	62.3	96	17	22,358
1989	8,061	35.4	14,616	64.1	81	28	22,786
1990	8,208	35.1	15,088	64.4	91	29	23,416
1991	8,035	33.7	15,675	65.8	75	36	23,821
1992	7,818	32.0	16,512	67.5	97	36	24,463
1993	7,989	31.2	17,213	67.2	151	251	25,604
1994	7,712	29.9	17,888	69.2	177	55	25,832
1995	7,615	29.0	18,361	70.0	187	63	26,226
1996	7,640	27.9	19,546	71.4	196	12	27,394
1997	7,360	27.0	19,652	72.1	213	46	27,271
1998	7,198	25.9	20,379	73.3	227	9	27,813
1999	7,063	25.3	20,634	74.0	200	-	27,897
2000	6,469	23.6	20,695	75.7	190	1	27,355
2001	6,691	23.7	21,331	75.5	227	1	28,250
2002	6,541	22.8	21,979	76.5	192	3	28,715
2003	6,608	22.7	22,363	76.7	188	-	29,159
2004	6,380	21.5	23,163	77.9	185	-	29,728
2005	6,282	20.9	23,633	78.5	186	-	30,101
2006	6,362	20.8	24,014	78.6	168	-	30,544
2007	6,148	19.8	24,804	79.7	169	-	31,121
2008	6,313	19.8	25,396	79.6	196	-	31,905
2009	5,843	18.7	25,198	80.7	199	-	31,240
2010	5,535	17.8	25,355	81.4	253	-	31,143

Note: Percent is based on total deaths in the specified year.
Other includes remains not recovered and donations as per will of deceased.
N.S. – Not stated.
Non-residents are excluded.

Vital Statistics Information Box

Method of Disposition by Decedent's Local Health Area of Residence

British Columbia, 2010

Local Health Area		Burial		Cremation		Other	Total
		Number	Percent	Number	Percent		
001	Fernie	13	17	62	83	-	75
002	Cranbrook	30	14	185	86	-	215
003	Kimberley	7	9	72	91	-	79
004	Windermere	8	12	60	88	-	68
005	Creston	27	19	117	81	-	144
006	Kootenay Lake	2	5	35	95	-	37
007	Nelson	38	21	138	77	3	179
009	Castlegar	32	28	84	72	-	116
010	Arrow Lakes	8	18	36	82	-	44
011	Trail	37	15	215	85	-	252
012	Grand Forks	27	23	91	77	-	118
013	Kettle Valley	4	14	24	86	-	28
014	Southern Okanagan	33	14	203	85	2	238
015	Penticton	66	13	430	87	-	496
016	Keremeos	9	13	60	87	-	69
017	Princeton	5	8	60	92	-	65
018	Golden	9	26	26	74	-	35
019	Revelstoke	8	16	43	84	-	51
020	Salmon Arm	47	13	320	87	1	368
021	Armstrong-Spallumcheen	12	12	89	88	-	101
022	Vernon	97	16	519	84	1	617
023	Central Okanagan	256	17	1,267	83	5	1,528
024	Kamloops	109	13	710	86	10	829
025	100 Mile House	13	10	112	90	-	125
026	North Thompson	8	20	32	80	-	40
027	Cariboo-Chilcotin	45	23	152	77	-	197
028	Quesnel	32	16	168	84	-	200
029	Lillooet	10	31	22	69	-	32
030	South Cariboo	11	15	59	83	1	71
031	Merritt	25	22	91	78	-	116
032	Hope	17	15	93	85	-	110
033	Chilliwack	131	19	546	81	1	678
034	Abbotsford	247	27	661	72	8	916
035	Langley	132	14	810	86	4	946
037	Delta	77	12	559	87	8	644
038	Richmond	235	25	677	73	17	929
040	New Westminster	85	17	400	82	4	489
041	Burnaby	355	27	933	71	33	1,321
042	Maple Ridge	77	12	566	87	5	648
043	Coquitlam	153	16	820	83	10	983
044	North Vancouver	104	14	636	86	11	751
045	West Vancouver-Bowen Is.	50	12	372	87	4	426
046	Sunshine Coast	17	6	255	93	1	273
047	Powell River	21	10	188	87	8	217
048	Howe Sound	19	18	84	82	-	103
049	Bella Coola Valley	14	70	6	30	-	20
050	Queen Charlotte	16	50	16	50	-	32
051	Snow Country	1	-	3	75	-	4
052	Prince Rupert	23	26	65	74	-	88
053	Upper Skeena	19	63	11	37	-	30
054	Smithers	26	36	46	64	-	72
055	Burns Lake/Eutsuk	21	38	34	62	-	55
056	Nechako	32	32	67	68	-	99
057	Prince George	91	16	473	84	1	565
059	Peace River South	63	34	121	66	-	184
060	Peace River North	44	27	117	72	1	162
061	Greater Victoria	269	13	1,796	87	10	2,075
062	Sooke	28	8	329	92	-	357
063	Saanich	70	11	568	89	3	641
064	Gulf Islands	12	8	132	90	2	146
065	Cowichan	70	15	391	85	-	461
066	Lake Cowichan	3	5	57	93	1	61
067	Ladysmith	24	11	199	89	1	224
068	Nanaimo	86	9	888	91	2	976
069	Qualicum	35	7	466	93	2	503
070	Alberni	64	21	244	79	-	308
071	Courtenay	30	6	505	94	-	535
072	Campbell River	26	7	326	93	-	352
075	Mission	42	16	219	84	1	262
076	Agassiz-Harrison	12	16	60	82	1	73
077	Summerland	9	7	122	93	-	131
078	Enderby	12	15	67	85	-	79
080	Kitimat	31	47	35	53	-	66
081	Fort Nelson	9	32	19	68	-	28
083	Central Coast	10	83	2	17	-	12
084	Vancouver Island West	2	20	8	80	-	10
085	Vancouver Island North	18	19	78	80	1	97
087	Stikine	1	20	4	80	-	5
088	Terrace	40	28	104	72	-	144
092	Nisga'a	7	88	1	13	-	8
094	Telegraph Creek	4	80	1	20	-	5
161	Vancouver - City Centre	101	16	508	83	6	615
162	Vancouver - Dwtn Eastside	141	32	301	67	4	446
163	Vancouver - North East	242	43	307	55	14	563
164	Vancouver - Westside	174	24	557	75	7	738
165	Vancouver - Midtown	140	34	255	63	13	408
166	Vancouver - South	267	33	517	65	16	800
201	Surrey	344	18	1,507	81	20	1,871
202	South Surrey/White Rock	110	13	730	86	9	849
PROVINCIAL TOTAL		5,535	17.8	25,355	81.4	253	31,143

Note: Total includes residents with unkown LHA.

Marriage-related Statistics

Vital Statistics Information Box

Marriages by Other Non Christian Denominations
British Columbia, 2010

Table 52, Religious Representatives on Register and Marriages Performed by Religious Denomination uses religious denomination categories from Statistics Canada. In 2010, a total of 1,150 marriages in British Columbia were solemnized by representatives of Other Non Christian religions. The table below provides additional details about these marriages.

Religious Denomination	Number of Religious Representatives	Number Who Performed Marriages	Number of Marriages Performed
Baha'i	96	28	46
Buddhist	28	12	38
Hindu	31	19	89
Muslim	53	27	160
Sangam	11	4	8
Sikh	130	56	589
Spiritualist	117	65	314
Wiccan	13	6	15
Other*	35	4	6
Total	514	221	1,265

Note: *Other consists of religious denominations where the representatives performed less than 5 marriages in 2010: Unknown, Konko-Kyo, and Zoroastrian.

Marriage Introduction

The Agency records all marriages that occurred in BC. Unlike the birth and death statistics, which are based on usual residence, marriage information includes all marriages performed in the province whether the parties were residents or non-residents. The Agency does not record divorce decrees. The tables in this section contain information about marriages by previous marital status, ages of the parties involved, and type of ceremony.

In Table 50, the 22,311 marriages are categorized by the previous marital status of each partner. In 2010, in 67.7 percent of marriages (15,113), both partners were marrying for the first time, and in 17.5 percent (3,915), one of the partners was marrying for the first time. There were 2,614 marriages (11.7 percent) where both partners were previously divorced.

Table 51 shows number of marriages by ages of those marrying in 2010. There were 7,134 marriages (32.0 percent) where both parties were in their 20s and 4,293 marriages (19.2 percent) where both parties were in their 30s. There were also 316 marriages (1.4 percent) where at least one of the parties was in their teens and 1,230 marriages (5.5 percent) where at least one of those marrying was 60 years or older.

Table 52 indicates that there were 7,325 registered religious representatives in BC but less than half of them (3,036) solemnized marriages in 2010. Of all marriages in 2010, 36.7 percent (8,192) were solemnized by religious representatives.

Table 53 shows the number of marriages performed by marriage commissioners, both private and public servants, and the number of each type of commissioner with appointments in 2010. The table indicates that 63.3 percent (14,119) of all 22,311 marriages were civil ceremonies performed by commissioners. Since 1988, when 42.5 percent of marriages were performed by commissioners, the share of civil marriages has risen steadily.

TABLE 50
MARRIAGES BY MARITAL STATUS
BRITISH COLUMBIA, 2010

	Single	Widowed	Divorced	N.S.
Single	15,113			
Widowed	174	175		
Divorced	3,741	494	2,614	
N.S.	-	-	-	-

Note: N.S. - Not stated.

TABLE 51
MARRIAGES BY AGE
BRITISH COLUMBIA, 2010

Age (in Years)	15–19	20–24	25–29	30–34	35–39	40–44	45–49	50–59	60+	N.S.
15-19	41									
20-24	198	1,493								
25-29	63	1,921	3,720							
30-34	11	449	2,871	2,009						
35-39	1	105	783	1,514	770					
40-44	2	33	214	433	722	384				
45-49	-	15	57	158	331	494	349			
50-59	-	8	28	65	153	332	631	723		
60+	-	-	7	22	16	39	125	510	511	
N.S.	-	-	-	-	-	-	-	-	-	-

Note: N.S. – Not stated.

TABLE 52
RELIGIOUS REPRESENTATIVES ON REGISTER AND MARRIAGES PERFORMED BY RELIGIOUS DENOMINATION
BRITISH COLUMBIA, 2010

Religious Denomination	Number of Religious Representatives	Number Who Performed Marriages	Number of Marriages Performed
Anglican	468	213	445
Baptist	803	329	676
Eastern Orthodox	42	18	59
Jewish	42	20	55
Lutheran	251	97	190
Mennonite / Hutterite	427	217	411
Pentecostal	816	292	807
Presbyterian	221	68	121
Catholic	471	223	858
Salvation Army	179	47	76
Jehovah's Witnesses	86	50	102
United Church	453	259	680
Other Christian Religions	2,542	978	2,426
Other Non Christian Religions	514	221	1,265
Unknown / Not Stated	10	6	21
Total	**7,325**	**3,036**	**8,192**

Note: Religious categories shown above are from Statistics Canada. Individuals with temporary appointments are counted once for each appointment.

TABLE 53
MARRIAGE COMMISSIONERS ON REGISTER BY TYPE AND MARRIAGES PERFORMED
BRITISH COLUMBIA, 2010

Type of Commissioner	Number of Commissioners	Number Who Performed Marriages	Number of Marriages Performed
Private Commissioner*	542	514	14,118
Public Servant	8	1	1
Total	**550**	**515**	**14,119**

Note: Individuals with temporary appointments are counted once for each appointment.
* Includes 177 temporary appointments.

Vital Statistics Information Box

Usual Residence of Persons Married in British Columbia in 2010

Opposite Sex Marriages

Area	Province/State or Country	Males	Females
Canada	**Total**	**20,892**	**20,973**
	British Columbia	19,239	19,397
	Alberta	1,196	1,154
	Ontario	240	225
	Saskatchewan	81	76
	Manitoba	55	50
	Quebec	26	21
	Northwest Territories	15	15
	Nova Scotia	15	14
	Yukon	9	8
	New Brunswick	8	7
	Newfoundland & Labrador	7	6
	Prince Edward Island	1	0
United States	**Total**	**428**	**359**
	Washington	127	109
	California	75	69
	New York	25	20
	Florida	19	14
	Oregon	18	13
	Texas	15	15
	Illinois	17	10
	Pennsylvania	8	6
	Colorado	8	4
	Maryland	7	5
	Nevada	7	5
	Utah	6	5
	Arizona	3	8
	North Carolina	6	4
	Louisiana	5	5
	Ohio	6	3
	Missouri	5	4
	Other	71	60
Mexico, Central & South America	**Total**	**9**	**10**
	Cayman Island	4	3
	Mexico	3	2
	Other	2	5
Europe	**Total**	**199**	**174**
	United Kingdom	113	82
	Germany	34	35
	Switzerland	9	11
	Scandinavian Countries	8	10
	Netherlands	8	6
	Austria	6	4
	Other	21	26
Asia & Middle East	**Total**	**42**	**59**
	Hong Kong	15	17
	Japan	8	14
	China	5	6
	Other	14	22
Africa	**Total**	**0**	**3**
Oceania	**Total**	**44**	**36**
	Australia	37	31
	New Zealand	7	5
TOTAL		**21,614**	**21,614**

Vital Statistics Information Box

Usual Residence of Persons Married in British Columbia in 2010

Same Sex Marriages

Area	Province/State or Country	Males	Females
Canada	**Total**	**416**	**524**
	British Columbia	398	471
	Alberta	10	35
	Ontario	8	10
	Saskatchewan	-	6
	New Brunswick	-	2
United States	**Total**	**137**	**197**
	Washington	26	45
	California	31	33
	Arizona	12	16
	Oregon	12	16
	Texas	10	12
	Georgia	6	10
	Colorado	4	12
	Florida	9	5
	New Mexico	2	8
	New York	4	5
	Illinois	4	3
	Utah	-	6
	Nevada	2	3
	Alaska	1	4
	Virginia	4	-
	Other	10	19
Mexico, Central & South America	**Total**	**6**	**4**
Europe	**Total**	**15**	**15**
	United Kingdom	7	9
	Other	8	6
Asia & Middle East	**Total**	**23**	**27**
	China	6	6
	Hong Kong	4	8
	Taiwan	2	6
	Japan	4	3
	Israel	4	2
	Other	3	2
Africa	**Total**	**1**	**-**
Oceania	**Total**	**12**	**17**
	Australia	10	17
	New Zealand	2	-
Unknown	**Total**	**-**	**-**
TOTAL		**610**	**784**

Glossary

Glossary Terms

ACQUIRED IMMUNODEFICIENCY SYNDROME (AIDS)

(See **HIV Disease.**)

AGE-SPECIFIC FERTILITY RATE (ASFR)

The rate of live births per 1,000 women for the specific age group. This is a more detailed measure than the crude birth rate, as it reflects variations in the birth rate by age groups of the female population.

(See ASFR under **Fertility Rate** in the Methodology section for an example.)

AGE STANDARDIZATION

Age standardization is a method of calculation which adjusts a statistical measure for differences in the age/gender structures between populations. With standardized measures, more meaningful comparisons can be made between genders, different time periods, or geographic areas because the age standardized statistic is calculated as if all populations had the same age/gender population distribution.

The age standardized measures in this report include **Age Standardized Mortality Rate (ASMR), Standardized Mortality Ratio (SMR), Potential Years of Life Lost Standardized Rate (PYLLSR),** and **Potential Years of Life Lost Index (PYLLI).** (See the above headings in the Methodology section for examples.)

AGE STANDARDIZED MORTALITY RATE (ASMR)

A summary of age-adjusted death rates by age and gender, which have been standardized to a 'standard' population (1991 Canada Census) for the purpose of rate comparisons between genders, different time periods, or different geographic locations. The ASMR is the theoretical number of deaths that would occur per 10,000 population, if the specific population had the same age structure as the standard population. Age standardization is used for comparisons because populations vary in the proportions of the various ages of the individuals that comprise them, and such differences would in themselves tend to affect the disease occurring in each of the populations.

(See also **Age Standardization** and **Standard Population.** See **Age Standardized Mortality Rate** in the Methodology section for an example.)

AIDS

(See **HIV Disease.**)

ALCOHOL-RELATED DEATHS

Alcohol-related deaths include deaths where alcohol was a contributing factor (indirectly related) as well as those due to alcohol (directly related). Alcohol-related and drug overdose deaths are the only cause of death categories that are not based entirely upon underlying causes of death.

The ICD-10 codes for deaths due to the use or abuse of alcohol (directly related) are shown in Table 39. If any of the conditions listed as directly related to alcohol are noted on the Medical Certificate as antecedent causes giving rise to the underlying cause or as other significant conditions contributing to the death, the death is considered to be indirectly related to alcohol.

Coding practices from 1995 to 1999 may have produced over-counting of alcohol-related mortality. With the introduction of ICD-10 in 2000, more specific codes are available. Currently produced data should not be used in combination with data produced prior to 2000.

ASFR

(See **Age Specific Fertility Rate.**)

ASMR

(See **Age Standardized Mortality Rate.**)

AVERAGE AGE

The average ages of brides, grooms, and mothers of newborns in this annual report are calculated based on information provided on marriage or birth registration forms. The average ages of the population living in data dissemination areas are based on the mid-year population estimates for five-year age groups.

AVERAGE AGE POPULATION

The average age of the population is a grouped average based on the mid-year population estimates for five-year age groups. This information is provided by BCSTATS, Ministry of Citizens' Services.

BIRTH ORDER

Denotes the number position of the present birth relative to previous live births. That is, whether the live birth being counted is the 1st, 2nd, 3rd, etc. live born infant to a particular mother.

BIRTH RATE

The number of live births divided by the mid-year population and converted to a rate per 1,000 population.

BIRTH RELATED STATISTICS

The birth related statistics shown in this report include teenage mother, elderly gravida, C-section, low birth weight, and pre-term live birth rates.

BIRTH WEIGHT

The first weight of the fetus or newborn after birth. For live births this weight should be measured within the first hour of life before significant postnatal weight loss has occurred. Hospitals in BC measure weight in grams; the approximate equivalents in imperial measures are included below for comparisons to other jurisdictions. For statistical and risk assessment purposes, birth weights are grouped as:

- Low Birth Weight (LBW) — less than 2,500 grams (< 5 lb 8 oz)
- "Healthy" Weight — 2,500 to 4,499 grams (5 lb 8 oz - 9 lb 15 oz)
- High Birth Weight — 4,500 grams or more (> 9 lb 15 oz)

Low birth weight is sometimes further divided into these overlapping categories:

- Extremely Low Birth Weight — less than 500 grams (< 1 lb 2 oz)
- Very Low Birth Weight — less than 1,500 grams (< 3 lb 5 oz)

In recent years there has been an increasing preference to identify high birth weight as Large for Gestational Age, which is above the 90th percentile of the birth weight distribution at each gestational age.

BIRTHS

(See **Total Births.**)

BREECH

A delivery in which the buttocks or feet appear first.

See also **Mode of Delivery**.

C-SECTION

A delivery by cesarean, involving the surgical incision of the abdomen and uterine walls.

See also **Mode of Delivery**.

C-SECTION RATES

The number of live births, delivered by cesarean divided by the number of live births and converted to a rate per 1,000 live births.

CESAREAN

A delivery involving the surgical incision of the abdomen and uterine walls.
See also **Mode of Delivery**.

COMMUNITY

A geographical area defined by a municipal (city, town, village, district municipality, Indian Government district, island municipality, or resort municipality) boundary. In this report, data are only provided for incorporated communities.

CONFIDENCE INTERVAL

A measure of the variability of a statistic. A wide confidence interval indicates that the statistic is likely to fall within a wide range of values, while a narrow confidence interval indicates the statistic is likely to fall within a narrow range of values. In general, statistical confidence intervals will be wider for areas with small populations or rare events than for areas with larger populations or more common events.
(See **Statistical Tests of Significance** at the end of the Methodology section.)

CONGENITAL ANOMALIES

Physical defects that existed or date from birth.

CRUDE RATES

For live births:

The crude rate is the number of live births divided by the mid-year population and converted to a rate per 1,000 population.

For birth-related statistics (teenage mother, elderly gravida, C-section, low birth weight, and pre-term):

The rate is the number of these births divided by the number of live births and converted to a rate per 1,000 live births.

For stillbirths and perinatal deaths:

The rate is the number of stillbirths or perinatal deaths divided by the number of total births (live births plus stillbirths) and converted to a rate per 1,000 total births.

For infant deaths:

The crude rate is the number of infant deaths divided by the number of live births and converted to a rate per 1,000 live births.

For maternal deaths:

The rate is the number of maternal deaths divided by the number of live births and converted to a rate per 10,000 live births.

For deaths and mortality statistics:

The crude rate is the number of deaths divided by the mid-year population and converted to a rate per 1,000 population.

For marriages:

The crude rate is the number of marriages divided by the mid-year population and converted to a rate per 1,000 population.

DEATH RATE

The number of deaths divided by the mid-year population and converted to a rate per 1,000 population.

DEATHS DUE TO MEDICALLY TREATABLE DISEASES

(See **Medically Treatable Diseases.**)

DRUG-INDUCED DEATHS

Deaths due to drug-induced causes. This category of deaths excludes unintentional injuries, homicides, and other causes that could be indirectly related to drug use. Deaths directly due to alcohol are also excluded. The causes of death classified as being drug-induced (shown in Table 44 with their ICD-10 codes) are based on those used by the National Center for Health Statistics.[1]

DRUG OVERDOSE DEATHS

Deaths where the underlying cause of death was determined to be unintentional poisoning by illicit/illegal drugs. These deaths are a small portion of the deaths due to unintentional poisoning by drugs, and exclude accidental poisoning by drugs in therapeutic use. Deaths due to conditions that may arise from substance abuse, such as Hepatitis 'B' and 'C' and HIV, are also excluded.

Drug overdose deaths can be divided according to drug type: heroin/morphine, methadone, cocaine, psychostimulants including "crystal meth" (methamphetamine hydrochloride) and "ecstasy" (methylenedioxymethamphetamine), and other mixed drugs. The ICD-10 codes for these deaths are shown in Table 46. It should be noted that specified drug (nature of injury) codes must also be listed on the Medical Certificate for the death to be considered a drug overdose.

EARLY NEONATAL DEATH

Death of a child under seven days of age.

See also **Infant Death**.

ELDERLY GRAVIDA

Any woman who was 35 years of age or older at the time of delivery of a live born infant.

ELDERLY GRAVIDA RATE

The number of live births delivered by women aged 35 years or older divided by the number of live births and converted to a rate per 1,000 live births.

EXPECTED CESAREAN BIRTHS

The number of live births delivered by cesarean section that would be expected to be born to residents of a sub-provincial geographic area, based on the C-section rate for the province as a whole and the number of births in the sub-provincial geographic area.

(See **Observed versus Expected Ratio** in the Methodology section for an example.)

EXPECTED DEATHS

The number of deaths expected for residents of a sub-provincial geographic area, based on the age specific mortality rates for the province as a whole and the population age structure of the sub-provincial geographic area. (See **Standardized Mortality Ratio** in the Methodology section for an example.)

EXPECTED LOW BIRTH WEIGHT

The number of live births with low birth weight (less than 2,500 grams) that would be expected to be born to residents of a sub-provincial geographic area, based on the low birth weight rate for the province as a whole and the number of live births in the sub-provincial geographic area.

(See **Observed versus Expected Ratio** in the Methodology section for an example.)

EXPECTED MATERNAL COMPLICATIONS

The number of live births with maternal complications that would be expected to be born to residents of a sub-provincial geographic area, based on the complication rate for the province as a whole and the number of live births in the sub-provincial geographic area.

(See **Observed versus Expected Ratio** in the Methodology section for an example.)

[1]National Center for Health Statistics (1993). Technical notes. Monthly Vital Statistics Report. 41 (Suppl. 7), 48.

EXPECTED PERINATAL COMPLICATIONS

The number of live births with perinatal conditions that would be expected to be born to residents of a sub-provincial geographic area, based on the rate of those conditions for the province as a whole and the number of live births in the sub-provincial geographic area.

(See **Observed versus Expected Ratio** in the Methodology section for an example.)

EXPECTED POTENTIAL YEARS OF LIFE LOST

The number of potential years of life lost (to age 75 in this report) expected for residents of a sub-provincial geographic area based on the age specific mortality rates for the province as a whole and the population age structure of the sub-provincial geographic area.

(See **Potential Years of Life Lost Index** in the Methodology section for an example.)

EXTREMELY LOW BIRTH WEIGHT

A birth weight of less than 500 grams.

See also **Birth Weight**.

EXTREMELY PREMATURE

A gestational age of less than 28 weeks.

See also **Gestational Age**.

FERTILITY RATE

The number of live births occurring in a given time period divided by the number of women of childbearing age for residents of a geographic area. BC rates are per 1,000 women aged 15 to 44; Canadian rates are per 1,000 women aged 15 to 49.

See also **Total Fertility Rate**.

FORCEPS

An assisted delivery employing forceps.

See also **Mode of Delivery**.

GESTATIONAL AGE

Fetal age or duration of pregnancy measured from the first day of the last normal menstrual period. Gestational age is expressed in completed days or completed weeks (e.g., events occurring 280 to 286 days after the onset of the last normal menstrual period are considered to have occurred at 40 weeks of gestation).

Measurements of fetal growth, as they represent continuous variables, are expressed in relation to a specific week of gestational age as follows:

- Pre-term — gestational age less than 37 weeks
- Term — gestational age of 37 to 41 weeks
- Post-term — gestational age of 42 weeks or more

Pre-term births can be further divided as follows:

- Extremely premature — gestational age of less than 28 weeks
- Moderately premature — gestational age of 28 to 36 weeks

HA

(See **Health Authority**.)

HEALTH AUTHORITY (HA)

A geographic subdivision of the province used by the Ministry of Health Services for administrative and data dissemination purposes. There are five health authorities plus the provincial HA. Health authorities can be subdivided into 16 Health Service Delivery Areas (HSDAs) or 89 Local Health Areas (LHAs). See Figure 2 for a map of the province by HAs.

HEALTH SERVICE DELIVERY AREA (HSDA)

A geographic subdivision of the province used by the Ministry of Health Services for data dissemination purposes. The 16 Health Service Delivery Areas can be aggregated into the five Health Authorities (HAs) plus the provincial HA, or subdivided into 89 Local Health Areas (LHAs). See Figure 2 for a map of the province by HSDAs.

"HEALTHY" WEIGHT

A birth weight of 2,500 to 4,499 grams.

See also **Birth Weight**.

HIGH BIRTH WEIGHT

A birth weight of 4,500 grams or more.

See also **Birth Weight**.

HIV DISEASE

In 1987, the World Health Organization added new codes to the International Classification of Diseases (ICD) to identify Acquired Immunodeficiency Syndrome (AIDS) and Human Immunodeficiency Virus (HIV). In ICD-10, these conditions are coded to B20–B24 and are called HIV disease.

HSDA

(See **Health Service Delivery Area.**)

HUMAN IMMUNODEFICIENCY VIRUS (HIV)

The virus that causes HIV disease.

ICD-9 CODES

The World Health Organization's International Classification of Diseases, Ninth Revision. This version of ICD was used by the BC Vital Statistics Agency for coding birth complications and causes of death from 1979 until 1999. Translation tables were developed and extensive manual reviews conducted in order to recode causes of death from ICD-9 to ICD-10, permitting direct comparison of cause of death trends including deaths from 1999 and earlier that were originally coded in ICD-9.

ICD-10 CODES

The World Health Organization's International Statistical Classification of Diseases and Related Health Problems, Tenth Revision, implemented by the BC Vital Statistics Agency on January 1, 2000. The Preamble to Appendix 2 presents a summary of ICD-10 codes.

INFANT DEATH

Death of a child under one year of age. These deaths are divided according to age at death because of the high mortality rates that occur in the periods soon after birth and because different environmental factors underlie the cause of death in the different time periods.

- Neonatal death — death of children less than 28 days after birth
- Post neonatal death — death of children from 28 to 364 days after birth

Neonatal deaths are further divided as follows:

- Early neonatal death — death of children less than 7 days after birth
- Late neonatal death — death of children from 7 to 27 days after birth

INFANT MORTALITY RATE

The number of deaths of children under one year of age expressed as a rate per 1,000 live births. The infant mortality rate is an internationally accepted indicator of the health status of a population.

LATE NEONATAL DEATH

Death of a child from 7 to 27 days of age.
See also **Infant Death.**

LBW

(See **Low Birth Weight.**)

LHA

(See **Local Health Area.**)

LIFE EXPECTANCY

Life expectancy at birth represents the mean number of years a birth cohort (persons born in the same year) may expect to live given the present mortality experience of a population. The life expectancy for a population is a summary measure that reflects the mortality rates for all ages combined, weighted in accordance with a life-table population structure. Life expectancy is an internationally accepted indicator of the health status of a population. Life expectancy is provided by BCSTATS, Ministry of Citizens' Services.

LIVE BIRTH

The *Vital Statistics Act* defines a live birth as "The complete expulsion or extraction from its mother, irrespective of the duration of the pregnancy, of a product of conception in which, after the expulsion or extraction, there is:

(a) breathing;
(b) beating of the heart;
(c) pulsation of the umbilical cord; or
(d) unmistakable movement of voluntary muscle, whether or not the umbilical cord has been cut or the placenta attached."

LIVE BIRTH RATE

The number of live births divided by the mid-year population and converted to a rate per 1,000 population.

LOCAL HEALTH AREA (LHA)

A geographic subdivision of the province used by the Ministry of Health Services for data dissemination purposes. The 89 local health areas can be aggregated into 16 Health Service Delivery Areas (HSDAs) or five Health Authorities (HAs) plus the provincial HA. See Figure 1 for a map of the province by LHAs.

LOW BIRTH WEIGHT (LBW)

A birth weight of less than 2,500 grams. Low birth weight babies have increased risks of morbidity and premature death.
See also **Birth Weight**.

LOW BIRTH WEIGHT RATE

The number of low birth weight live born babies per 1,000 live births.

MARRIAGE RATE

The number of marriages divided by the mid-year population and converted to a rate per 1,000 population.

MATERNAL DEATH

Death of a woman while pregnant or within 42 days of termination of pregnancy from causes related to the pregnancy, but not from accidental or incidental causes.

MATERNAL DEATH RATE

The number of maternal deaths divided by the number of live births and converted to a rate per 10,000 live births.

MEDICALLY TREATABLE DISEASES, DEATHS DUE TO

Deaths due to medically treatable diseases are based on Charlton's[2] classification. The disease categories are ones for which mortality could potentially have been avoided through appropriate medical intervention. It should be noted that the causes are considered to have been medically treatable only if the death occurred to persons within a specified age range (see footnotes to Table 37).

The incidence of deaths from medically treatable diseases can be used by public health professionals as a way of monitoring the effect of health promotion programs.

MODE OF DELIVERY

The modes of delivery presented in this report consist of cesarean, forceps, spontaneous breech, spontaneous vertex, and vacuum (or suction).

Cesarean:
A delivery involving the surgical incision of the abdomen and uterine walls.

Forceps:
An assisted delivery employing forceps.

Spontaneous Breech:
An unassisted (spontaneous) delivery in which the buttocks or feet of the fetus appear first.

Spontaneous Vertex:
An unassisted (spontaneous) delivery in which the head of the fetus appears first.

Vacuum:
An assisted delivery employing suction or vacuum.

MODERATELY PREMATURE

A gestational age of 28 to 36 weeks.
See also **Gestational Age**.

MVA DEATHS

Motor Vehicle Accidental Deaths.

NATURAL POPULATION INCREASE (NPI)

The component increase in a population due to the number of live births less deaths; also called Natural Population Growth. This increase is often expressed as a rate, such as per 1,000 population. It does not include increases due to immigration or decreases due to emigration.

NEONATAL DEATH

Death of a child under 28 days of age.
See also **Infant Death**.

NPI

(See **Natural Population Increase.**)

OBSERVED DEATHS

The actual number of deaths that occurred to residents of a sub-provincial geographic area in a specified time period.

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[2]Charlton, J.R.H. (1987). Avoidable Deaths and Diseases as Monitors of Health Promotion. In T. Abelin, Z.J. Brzezinski, & V. Carstairs (Eds.), ***Measurement in Health Promotion and Protection*** (pp.467-479). Copenhagen, Denmark: World Health Organization, Regional Office for Europe.

OBSERVED LOW BIRTH WEIGHT LIVE BIRTHS

The actual number of low birth weight live births that occurred to residents of a sub-provincial geographic area in a specified time period.

OBSERVED MATERNAL COMPLICATIONS

The actual number of maternal complications that occurred to residents of a sub-provincial geographic area in a specified time period.

OBSERVED PERINATAL CONDITIONS

The actual number of perinatal conditions that occurred to residents of a sub-provincial geographic area in a specified time period.

OBSERVED PYLL

The actual number of potential years of life lost (to age 75) from deaths that occurred to residents of a sub-provincial geographic area in a specified time period.

OUT-OF-WEDLOCK BIRTHS

Births where the mother of the baby is not lawfully married to the father of the baby.

OVERDOSE DEATHS

(See **Drug Overdose Deaths.**)

P-VALUE

The probability of rejecting the null hypothesis when a specified test procedure is used on a given data set. The data are statistically significant when the null hypothesis is rejected and not significant otherwise.

(See **Statistical Test** in the Methodology section for examples.)

PERINATAL

Pertaining to or occurring in the period shortly before, during and after birth, starting at 22 completed weeks of gestation and ending seven completed days after birth.

PERINATAL DEATH RATE

The number of perinatal deaths divided by the number of total births (live births plus stillbirths) and converted to a rate per 1,000 total births.

POPULATION

Mid-year population estimates used in the preparation of this report were obtained from BC STATS, Ministry of Citizens' Services.

POST MATURE

(See **Post-Term.**)

POST NEONATAL DEATH

Death of a child between the ages of 28 days and 364 days.

See also **Infant Death.**

POST TERM

A gestational age of 42 weeks or more.

See also **Gestational Age.**

POTENTIAL YEARS OF LIFE LOST (PYLL)

The number of years of life lost when a person dies before a specified age (75 years). In this report, all deaths are assumed to occur at the midpoint of five-year age groups.

(See **Potential Years of Life Lost (PYLL)** in the Methodology section for an example.)

PREMATURE

(See **Pre-Term.**)

PRE-TERM

A gestational age less than 37 weeks.
See also **Gestational Age.**

PRE-TERM RATE

The number of pre-term live births divided by the number of live births and converted to a rate per 1,000 live births.

PYLL INDEX (PYLLI)

The ratio of an area's observed PYLL to its expected PYLL. This is a health status indicator.
(See **Potential Years of Life Lost Index (PYLLI)** in the Methodology section for an example.)

PYLL STANDARD RATE (PYLLSR)

An age-standardized measure of an area's PYLL, expressed in terms of a rate per 1,000 population, adjusted to a standard population (1991 Canada Census). This is a health status indicator.
(See PYLLSR under **Potential Years of Life Lost (PYLL)** in the Methodology section for an example.)

PYLL

(See **Potential Years of Life Lost.**)

PYLL %

The percent of all PYLL in the age group due to a specified cause of death.

PYLLI

(See **PYLL Index.**)

PYLLSR

(See **PYLL Standardized Rate.**)

QUINTILE

A ranking is derived by dividing a group (e.g., LHAs within British Columbia) into five subgroups, each with equal numbers of LHAs. (Since there are 89 LHAs and 89 is not evenly divisible by five, there is one less LHA in the middle group.) These divisions are derived from a ranking of the group members according to the value of a measure, such as the SMR or the PYLLI.

SAM

(See **Smoking-attributable Mortality.**)

SIDS

Sudden Infant Death Syndrome. The BC Coroners' Service (BCCS) utilizes an additional category of infant deaths referred to as "sudden unexplained death in infancy" (SUDI). An explanation of this term can be found at http://www.pssg.gov.bc.ca/coroners/child-death-review/docs/cdru-2009annualreport.pdf (see glossary).

As the World Health Organization ICD-10 classification system (upon which the statistics in this report are based) does not utilize this terminology, events classified as "SUDI" by the BCCS are herein included in the SIDS (R95.-) category, as is the usual practice followed by other provincial vital statistics agencies and Statistics Canada.

SMOKING-ATTRIBUTABLE MORTALITY (SAM)

The absence on death certifications of complete and reliable data on smoking requires the use of estimation techniques to approximate the extent of smoking-attributable deaths. Estimation methods, while not precise, may at least provide a general indication of the extent of such deaths. This report uses an estimation method based on the concept of attributable risk, which is described in the Methodology section.

Smoking-attributable deaths are derived by multiplying a smoking-attributable mortality percentage by the number of deaths aged 35+ in specified cause of death categories. These categories are comprised of selected malignant neoplasms, circulatory system diseases, and respiratory system diseases, and are listed in Table 42.
(See **Smoking-Attributable Mortality** in the Methodology section for more details.)

SMR

(See **Standardized Mortality Ratio.**)

STANDARD POPULATION

A reference population of known age distribution used in the calculation of standardized indicators to adjust for variations in population age structures in different geographic areas or time periods. For SMR and PYLLI calculations the standard population is the British Columbia population for the year(s) concerned. The 1991 Canadian Census is used as the standard population in the calculation of ASMR and PYLLSR.

STANDARDIZED MORTALITY RATIO (SMR)

The ratio of the number of deaths occurring to residents of a geographic area (e.g., LHA) to the expected number of deaths in that area based on provincial age-specific mortality rates. The SMR is a good measure for comparing mortality data that are based on a small number of cases or for readily comparing mortality data by geographical area. SMR is an internationally recognized health status indicator.
See also **Age Standardization** and **Standard Population.**
(See **Standardized Mortality Ratio** in the Methodology section for an example.)

STILLBIRTH

Since 1986, the *Vital Statistics Act* defines a stillbirth as "The complete expulsion or extraction from its mother after at least 20 weeks of pregnancy, or after attaining a weight of at least 500 grams, of a product of conception in which, after the expulsion or extraction, there is no breathing, beating of the heart, pulsation of the umbilical cord, or unmistakable movement of voluntary muscle."

The definition of a stillbirth has changed over the years. From 1950 until July 1, 1962, the definition of a stillbirth was the birth of a viable fetus after at least 28 weeks pregnancy in which pulmonary respiration does not occur, whether death occurs before, during, or after birth. From July 1, 1962 until January 1, 1986, the definition of a stillbirth did not include the phrase "or after attaining a weight of at least 500 grams."

STILLBIRTH RATE

The number of stillbirths divided by the number of total births (live births plus stillbirths) and converted to a rate per 1,000 total births.
See also **Crude Rates.**

TEENAGE MOTHERS

Mothers less than 20 years of age.

TEENAGE MOTHER LIVE BIRTH RATE

The number of live births to teenage mothers divided by the number of live births and converted to a rate per 1,000 live births.

TERM

A gestational age of 37 to 41 weeks.
See also **Gestational Age.**

TFR

(See **Total Fertility Rate.**)

TOTAL BIRTHS

The number of live births plus stillbirths.

TOTAL FERTILITY RATE (TFR)

The number of births that a group of 1,000 women would have if, during their childbearing years, they had the age-specific birth rates observed in a given calendar year. TFR is a hypothetical measure of completed family size based on current levels of fertility by age.

(See TFR under **Fertility Rate** in the Methodology section for an example.)

TOTAL PYLL

The total number of potential years of life lost prior to an established cut-off point of 75 years.

UCOD

(See **Underlying Cause of Death.**)

UNDERLYING CAUSE OF DEATH (UCOD)

The World Health Organization defines the underlying cause of death as "(a) the disease or injury which initiated the train of events leading directly to death, or (b) the circumstances of the accident or violence which produced the fatal injury."

VACUUM

An assisted delivery employing suction or vacuum.

See also **Mode of Delivery**.

VERTEX

A delivery in which the head of the fetus appears first.

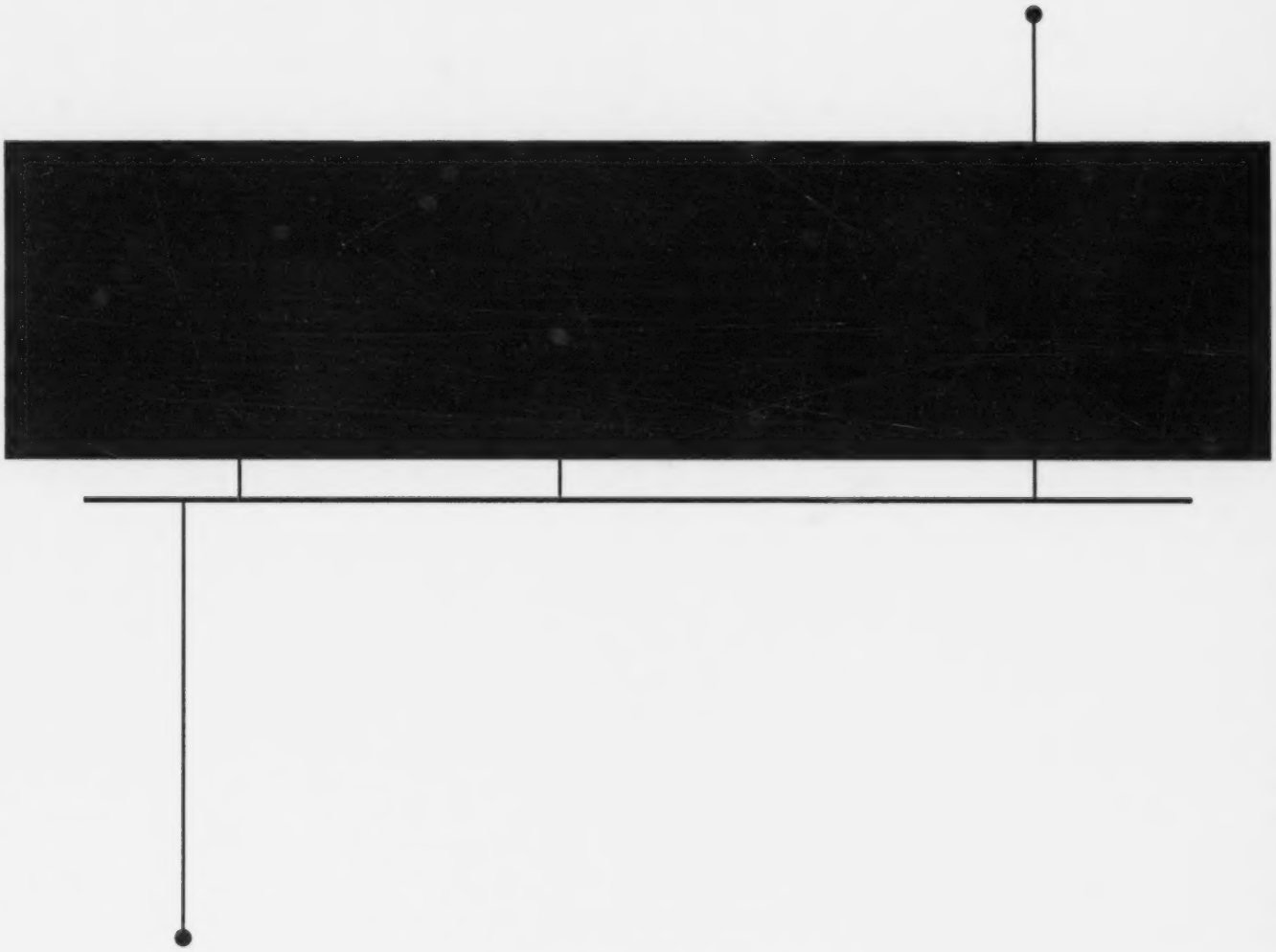
See also **Mode of Delivery**.

VERY LOW BIRTH WEIGHT

A birth weight of less than 1,500 grams.

See also **Birth Weight**.

Methodology



Methodology

Population statistics inevitably involve comparisons of sub-populations, regions, and time periods. To many, such comparisons are often too complex so that interpretation becomes a formidable task. However, those comparisons are necessary in order to understand the health status of specific populations within British Columbia. The text that accompanies the tables and figures in this report explains the basic meaning of the comparisons but, for some, a more in-depth explanation is useful and necessary.

This section provides the reader with computational examples of how various measures are calculated. All data shown in the examples are hypothetical. These routines are referenced in the discussion accompanying specific tables and figures where they are used and are arranged alphabetically. In some cases, a test of statistical significance is noted in the discussion and those routines will be found at the end of this part of the report.

Examples of the these statistical computations follow:

RATES
- Age Standardized Mortality Rate (ASMR)
- Fertility Rates
  - Total Fertility Rate (TFR)
  - Age Specific Fertility Rates (ASFRs)
- Potential Years of Life Lost (PYLL) and Standardized Rate (PYLLSR)

RATIOS
- Observed versus Expected Ratios
  - Low Birth Weight (LBW) Live Births
  - Potential Years of Life Lost Index (PYLLI)
  - Standardized Mortality Ratio (SMR)

ESTIMATION OF SMOKING ATTRIBUTABLE MORTALITY (SAM)

STATISTICAL TESTS OF SIGNIFICANCE
- Chi-Square
- Confidence Intervals
- P-Value

RATES
- Age Standardized Mortality Rate (ASMR)

Although a hypothetical LHA is used in the example cited here, the ASMR was also calculated for yearly death data, for example Figure 16, and specific cause groups, for example Table 21, to permit comparisons between items in those tables or figures. The example shown below can be applied to those measures as well. The test of statistical significance is described under Rates in Statistical Tests of Significance at the end of this Appendix.

Age Group (i)	Standard Population (π_i)	LHA Estimated Population (p_i)	LHA Death Rate/10,000 (m_i)	LHA Observed Deaths (d_i)
< 1	403,061	1,339	22.4	3
1 – 4	1,550,285	5,483	1.8	1
.	.	.	.	.
.	.	.	.	.
.	.	.	.	.
80 – 84	382,303	1,198	701.2	84
85 +	287,877	908	1596.9	145
TOTAL	28,120,065	81,016		561

For the Local Health Area:

$$ASMR = \frac{\sum m_i \times \pi_i}{\prod} = \frac{22.4 \times 403{,}061 + \ldots + 1{,}596.9 \times 287{,}877}{28{,}120{,}065} = 46.2$$

Where: p_i =area population in age group i;
π_i =standard population in age group i;
$\prod$ $= \sum \pi_i$ = total standard population;
d_i =deaths in LHA population in age group i; and
m_i $= d_i / p_i \times 10{,}000$ = mortality rate per 10,000 LHA population in age group i.

e.g., $m_i = \frac{3 \times 10{,}000}{1{,}339} = 22.4$, for age group 1.

- Fertility Rates

Fertility Rates include the Total Fertility Rate (TFR) and Age Specific Fertility Rates (ASFRs). Although the TFR is calculated for a hypothetical LHA in the example cited here, the calculation method was applied to each year in Table 3 and Figure 5 and to each of the LHAs in Table 10. The teenage fertility rates shown in Table 10 and Figure 29 are the teenage-specific fertility rates, that is the ASFRs for 15-19 year olds, exemplified below.

	LHA		
Age Group (i)	Live Births (b_i)	Female Population (w_i)	Age Specific Fertility Rate ($ASFR_i$)
15 – 19	19	598	31.8
20 – 24	46	440	104.5
25 – 29	74	498	148.6
30 – 34	51	745	68.5
35 – 39	12	690	17.4
40 – 44	2	581	3.4
TOTAL	204	3,552	374.2

For the Local Health Area:

1) the age specific fertility rate (ASFR) for age group 15–19 years is:

$$ASFR_i = \frac{b_i}{w_i} \times 1{,}000 = \frac{19}{598} \times 1{,}000 = 31.8$$

Where: b_i =number of live births for age group i; and
w_i =number of female population for age group i.

2) the total fertility rate (TFR) is:

$$TFR = a \times \sum ASFR_i = 5 \times (31.8 + \ldots + 3.4) = 1{,}871$$

Where: $ASFR_i$ =age specific fertility rate for age group i; and
a =number of years in each age group i.

- Potential Years of Life Lost (PYLL) and Standardized Rate (PYLLSR)

The Potential Years of Life Lost (PYLL) measures presented in this report are based on the number of years of life lost when a person dies before the age of 75 years. Infant deaths (age less than one year old) are included.

Age Group (i)	Age Factor ($75-Y_i$)	Standard Population (π_i)	LHA			
			Estimated Population (p_i)	Death Rate/1,000 (m_i)	Observed Deaths (d_i)	Observed PYLL ($d_i(75-Y_i)$)
< 1	74.5	403,061	1,339	2.2	3	223.5
1 – 4	72.0	1,550,285	5,483	0.2	1	72.0
5 – 9	67.5	1,953,045	6,553	0.2	1	67.5
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
65 – 69	7.5	1,084,588	3,538	18.7	66	495.0
70 – 74	2.5	834,024	2,779	28.8	80	200.0
TOTAL		28,120,065	79,140		239	3,183.0

For the Local Health Area:

$$PYLL = \sum d_i \times (75 - Y_i)$$

Where: d_i =number of deaths in age group i;
Y_i =age at midpoint of age group i; and
$\sum$ =summation.

$$PYLLSR = \frac{\sum m_i \times \pi_i \times (75 - Y_i)}{\prod} = \frac{2.2 \times 403{,}061 \times 74.5 + \ldots + 28.8 \times 834{,}024 \times 2.5}{28{,}120{,}065} = 37.0$$

Where: p_i =LHA population in age group i;
π_i =standard population in age group i;
$\prod = \sum \pi_i$ = total standard population;
d_i =deaths in LHA population in age group i;
Y_i =age at midpoint of age group i; and
m_i $=(d_i/p_i) \times 1{,}000$ = mortality rate per 1,000 LHA population in age group i.

RATIOS

- Observed versus Expected Ratios

The following are hypothetical examples that apply to the vital event ratios shown in this report. The first example shows low birth weight (LBW) live births (less than 2,500 grams), but other live birth ratios, such as cesarean deliveries or live births with maternal or perinatal complications, as well as infant deaths ratios can be substituted. Tables 12, 16, 18, 20, and 26 and Figures 30, 32, 33, 34, and 36 present these ratios. Ratios for live births to teenage mothers, elderly gravida live births, pre-term live births, or live births by cesarean, although not shown in this report, would also be calculated the same way as the low birth weight ratios. These ratios based on live births should not be confused with observed versus expected ratios that involve age and gender standardization, such as Standardized Mortality Ratio (SMR) and Potential Years of Life Lost Index (PYLLI). The test of statistical significance is described under Ratios in Statistical Tests of Significance at the end of this Appendix.

- Low Birth Weight Live Births

Year (i)	LHA: Low Birth Weight Live Births Observed (O_i)	LHA: Low Birth Weight Live Births Expected (E_i)	LHA: Total Live Births (L_i)	British Columbia: Low Birth Weight Live Births Observed (b_i)	British Columbia: Total Live Births (B_i)
1995	92	82.9	1,701	2,096	42,989
1996	69	74.6	1,588	1,965	41,846
1997	102	80.2	1,582	2,113	41,655
1998	85	74.7	1,495	2,145	42,913
1999	91	78.1	1,501	2,267	43,586
TOTAL	439	390.6	7,867	10,586	212,989

For the Local Health Area:

1) the expected low birth weight live births for year i = 1995 were:

$$E_i = \frac{b_i}{B_i} \times L_i = \frac{2,096}{42,989} \times 1,701 = 82.9$$

Where: b_i =number of LBW live births for the province in year i;
B_i =number of live births for the province in year i; and
L_i =number of live births for the LHA.

2) the ratio of observed over the expected LBW live births for the five-year period was:

$$\text{Ratio} = \frac{\sum O_i}{\sum E_i} = \frac{92 + \ldots + 91}{82.9 + \ldots + 78.1} = \frac{439}{390.6} = 1.1$$

Where: O_i =observed LBW live births for year i; and
E_i =expected LBW live births for year i.

- Potential Years of Life Lost Index (PYLLI)

Note that this method is both age and gender standardized.

Age Group (i)	Gender (j)	Age Factor ($75-Y_{ij}$)	LHA: Estimated Population (p_{ij})	LHA: Death Rate/1,000 (m_{ij})	LHA: Observed Deaths (d_{ij})	LHA: Observed PYLL ($d_{ij}(75-Y_{ij})$)	LHA: Expected PYLL ($e_{ij}(75-Y_{ij})$)	British Columbia: Estimated Population (P_{ij})	British Columbia: Death Rate/1,000 ($D_{ij}/P_{ij}\times1,000$)	British Columbia: Observed Deaths (D_{ij})	British Columbia: Observed PYLL ($D_{ij}(75-Y_{ij})$)
<1	M	74.5	1,339	2.2	3	223.5	766.3	42,700	7.7	328	24,436.0
<1	F	74.5	1,301	1.8	2	177.3	620.8	40,600	6.4	260	19,380.3
.	.	.	.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.	.	.	.
70–74	M	2.5	1,587	71.3	113	282.8	233.2	65,500	58.8	3,969	9,921.4
70–74	F	2.5	2,779	28.8	80	200.0	182.3	107,000	26.2	2,807	7,017.5
TOTAL			79,140		239	3,183.0	5,100.0	2,966,500		11,068	200,265.5

For the Local Health Area:

$$PYLLI = \frac{O}{E} = \frac{\sum d_{ij} \times (75 - Y_{ij})}{\sum e_{ij} \times (75 - Y_{ij})} = \frac{223.5 + 177.3 + \ldots + 282.8 + 200.0}{766.3 + 620.8 + \ldots + 233.2 + 182.3} = \frac{3,183}{5,100} = 0.6$$

Where: O =observed PYLL;
E =expected PYLL;
d_{ij} =observed deaths in age group i and gender j;
e_{ij} =expected deaths in age group i and gender j;
Y_{ij} =age at midpoint of age group i and gender j;
p_{ij} =LHA population for age group i and gender j;
P_{ij} =provincial population for age group i and gender j;
D_{ij} =provincial deaths for age group i and gender j.

1) Observed PYLL (O)

The number of potential years of life lost (PYLL) based on the number and age at death of deaths that occurred in the LHA. For example, for age group under one year of age and gender j, the observed PYLL are:

Observed PYLL = deaths x age factor = $d_{ij}(75\text{-}Y_{ij}) = 3 \times 74.5 = 223.5$

2) Expected PYLL (E)

The number of potential years of life lost (PYLL) expected for residents of the LHA based on the PYLL from the expected deaths in the age group. For example, for age group under one year of age and gender j, the expected PYLL are:

Expected PYLL = expected deaths x age factor = $e_{ij}(75 - Y_{ij}) = \frac{D_{ij}}{P_{ij}} \times p_{ij} \times (75 - Y_{ij})$

$$= \frac{328}{42,700} \times 1,339 \times 74.5 = 766.3$$

- Standardized Mortality Ratio (SMR)

Note that this method is both age and gender standardized.

Age Group (i)	Gender (j)	LHA Estimated Population (p_{ij})	LHA Death Rate/1,000 (m_{ij})	LHA Observed Deaths (d_{ij})	LHA Expected Deaths (e_{ij})	British Columbia Estimated Population (P_{ij})	British Columbia Death Rate/1,000 (M_{ij})	British Columbia Observed Deaths (D_{ij})
< 1	M	1,339	2.2	3	10.3	42,700	7.7	328
< 1	F	1,301	1.8	2	8.3	40,600	6.4	260
.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.
85 +	M	1,198	70.1	84	87.2	48,100	72.8	3,502
85 +	F	908	159.7	145	138.8	34,500	152.8	5,272
TOTAL		81,016		561	595.1	3,131,700		23,389

For the Local Health Area:

$$SMR = \frac{\sum d_{ij}}{\sum e_{ij}} = \frac{3 + 2 + \ldots + 110 + 145}{10.3 + 8.3 + \ldots + 92.6 + 138.8} = \frac{561}{595.1} = 0.9$$

Where: d_{ij} =observed deaths in age group i and gender j; and
e_{ij} =expected deaths in age group i and gender j.

1) Observed Deaths (d)
The actual number of deaths that occurred in the LHA. For example, for age group under one year of age and gender j, the observed deaths are three.

2) Expected Deaths (e)
The number of deaths expected for residents of the LHA based on the age specific mortality rates for the province as a whole and the population age structure of the LHA. For age group under one year and gender j, the expected deaths are:

$$e_{ij} = \frac{D_{ij}}{P_{ij}} \times p_{ij} = \frac{328}{42{,}700} \times 1{,}339 = 10.3$$

Where: p_{ij} =LHA population for age group i and gender j;
D_{ij} =provincial deaths for age group i and gender j; and
P_{ij} =provincial population for age group i and gender j.

- Estimation of Smoking Attributable Mortality (SAM)

This report uses an estimation method to approximate the extent of smoking-attributable deaths based on the concept of attributable risk. To define attributable risk mathematically, consider d_0 and d_1 respectively to represent the death rates, in a given time period, in two cohorts from a population — those not exposed and those exposed to a given risk factor. The attributable risk of this factor, AR_1, would then be:

$$AR_1 = \frac{d_1 - d_0}{d_1} = \frac{r_1 - 1}{r_1}$$

Where: $r_1 = d_1/d_0$ is the relative risk of the exposed cohort.

The relative risk of the unexposed cohort is $r_0 = 1$; the attributable risk of this cohort is $AR_0 = 0$.

The attributable risk (AR) for the population as a whole (exposed plus unexposed cohorts) is given by:

$$AR = \frac{p_1 (r_1 - 1)}{p_1 (r_1) + (1 - p_1)(r_0)} = \frac{(p_1)(r_1 - 1)}{(p_1)(r_1 - 1) + 1}$$

Where: p_1 = the proportion or fraction of the population exposed to the risk factor; and
$1\text{-}p_1$ = the proportion or fraction of the population not exposed to the risk factor.

This may be extended to account for multiple levels of exposure, as follows:

$$AR = \frac{\sum_{i=1}^{n} p_i (r_i - 1)}{\sum_{i=1}^{n} p_i (r_i - 1) + 1}$$

Where: p_i = the proportion (prevalence) of the population in the ith level of exposure group;
r_i = the relative risk at the ith level of exposure; and
i = the ith risk category.

When applied to smoking-attributable mortality (SAM), the attributable risk is often expressed as a percentage:
SAM (%) = AR x 100

Smoking-attributable deaths are derived by multiplying the smoking-attributable mortality percentage expressed as a decimal fraction by the number of deaths aged 35+ in each of 19 specified cause of death categories. These categories are comprised of selected malignant neoplasms, circulatory system diseases, and respiratory system diseases, and are listed in the Glossary.

Relative-risk data from the American Society's Cancer Prevention Study (CPS-II) 1982–1988[1] were selected for use, as they have been widely used for similar analyses. The data from CPS–II established the age groups and the classification of smokers (current, former, and never) for which smoking prevalence data were required. The relative risk age categories were for 35+, or 35-64 and 65+. BC prevalence rates for smoking were provided in the **Tobacco Use in B.C. (1997)** survey commissioned by the BC and Yukon Health and Stroke Foundation.[2]

STATISTICAL TESTS OF SIGNIFICANCE

- Chi Square

For ratios, such as SMRs, a Chi-square (χ^2) test is applied to determine whether the observed number of cases is statistically significantly different from the expected number. For LHA *l*:

$$\chi_l^2 = \frac{(O_l - E_l)^2}{E_l}$$

(with one degree of freedom).

Where: O_l =Observed number for LHA *l*; and
E_l =Expected number for LHA *l*.

If $\chi_l^2 > 3.84$, the ratio is statistically significant at 5% significance level.

For SMR values, the Chi-square statistic that is applied is:

$$X_l^2 = 9\hat{O}_l\left(1 - \frac{1}{9\hat{O}_l} - \left(\frac{E_l}{\hat{O}_l}\right)^{1/3}\right)^2$$

Where: $\hat{O}_l$ $=O_l$ *if* $O_l > E_l$; *otherwise*
$\hat{O}_l$ $=O_l + 1$.

- Confidence Intervals

For rates, such as ASMRs, the test employed to determine statistical significance is a confidence interval. The 95% confidence interval for the difference (D) between a LHA and a provincial rate is defined by the upper and lower limits of the interval as follows:

$$\textit{Lower Limit} = D - 1.96\sqrt{\frac{R_l^2}{O_l} + \frac{R_p^2}{O_p}}$$

$$\textit{Upper Limit} = D + 1.96\sqrt{\frac{R_l^2}{O_l} + \frac{R_p^2}{O_p}}$$

[1]Centres for Disease Control. (1990). Smoking and health: A national status report. (DHSS publication no. (CDC) 87-8396). 2nd Edition. Rockville, MD: U.S. Department of Health and Human Services.
[2]Tobacco Use in B.C., ANGUS REID GROUP survey results, September 1997.

Where: R_l =Rate for LHA *l*;
R_p =Rate for the province;
O_l =Observed number for LHA *l*; and
O_p =Observed number for the province.

If the Lower Limit > 0, then R_l is statistically significantly higher than R_p;
if the Upper Limit < 0, then R_l is statistically significantly lower than R_p; otherwise,
there is no statistically significant difference.

- P-Value

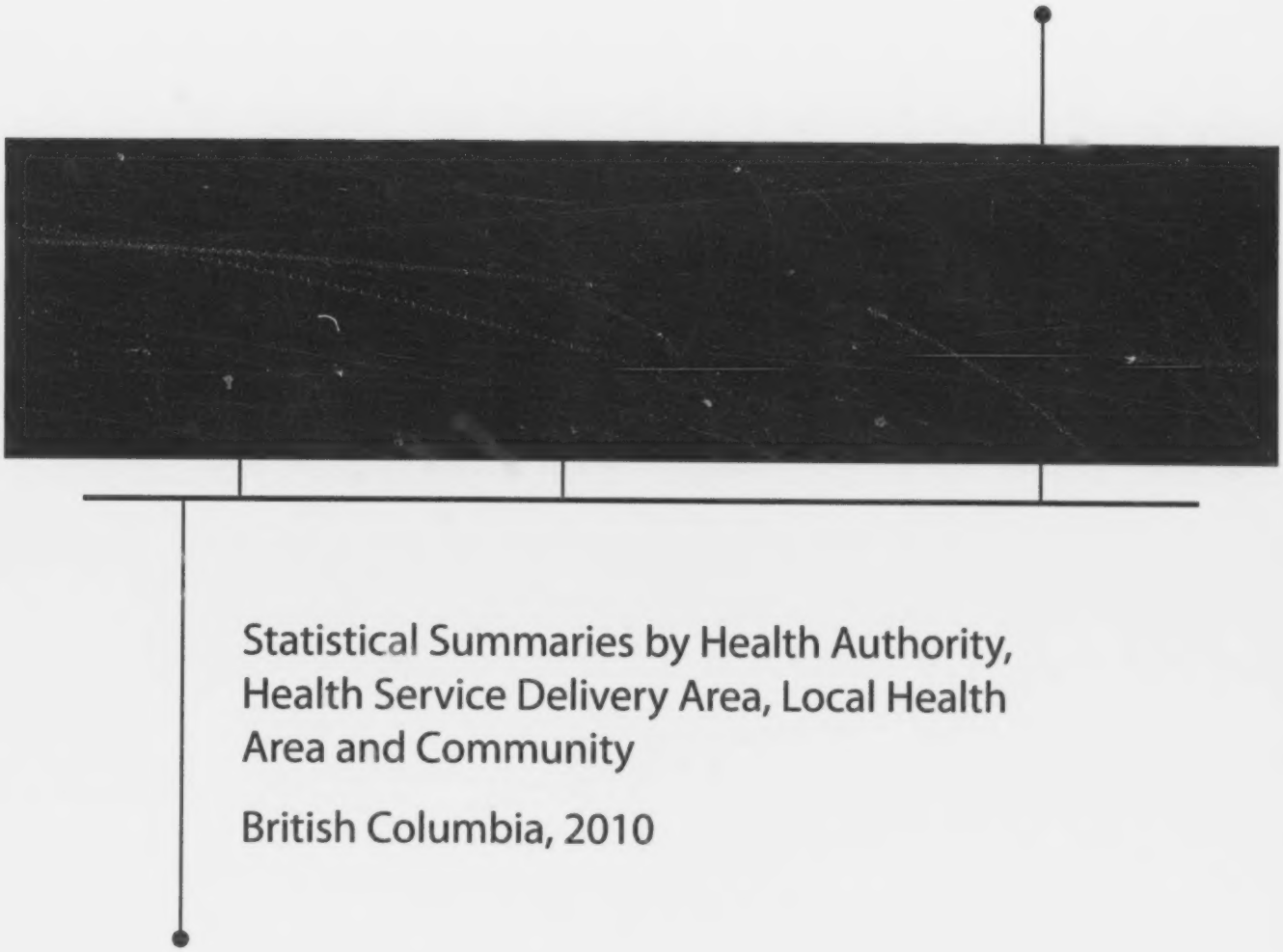
The p-value is the probability of rejecting the null hypothesis when a specified test procedure is used on a given data set. This probability is the smallest level of significance at which the null hypothesis would be rejected. Once the p-value has been determined, the conclusion at any particular level α results from comparing the p-value to α (e.g., 0.05):

(a) p-value $\leq \alpha \rightarrow$ reject null hypothesis at level α,

(b) p-value $> \alpha \rightarrow$ do not reject the null hypothesis at level α,

and we call the data statistically significant when the null hypothesis is rejected and not significant otherwise.

Appendix One



Statistical Summaries by Health Authority, Health Service Delivery Area, Local Health Area and Community

British Columbia, 2010

Preamble to Appendix 1

BC is a large, geographically diverse province. The majority of the population is concentrated in the south-western corner of the province, with the majority of the remaining population concentrated in the major cities of Kelowna, Kamloops, Prince George, and Nanaimo, or along the border with the United States. Large areas of the province are sparsely populated. Health care services tend to be concentrated in the areas of greater population, especially in the metropolitan areas of Vancouver and Victoria.

Appendix 1 provides summary details of the 2010 vital statistics for HAs, HSDAs, LHAs, and incorporated communities. The LHAs are the lowest level of data aggregation; they are the building blocks upon which the HSDA and HA information is aggregated. Information presented in this appendix includes the number of live births, stillbirths, and deaths by gender, and the number of marriages. Live births and stillbirths are assigned to geographic areas based on usual residence of the mother. Deaths are assigned to geographic areas based on the usual residence of the decedent. Marriages are assigned to geographic areas based on the place where the marriage ceremony was performed and include non-residents.

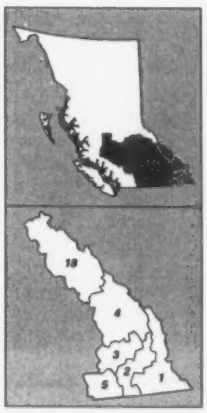
Population estimates, average age, and life expectancy at birth were obtained from BC STATS, Ministry of Labour and Citizens' Services.

APPENDIX 1

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2010

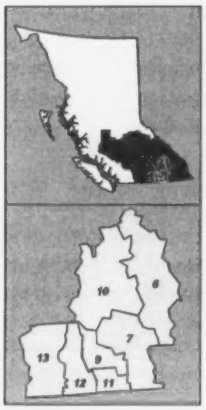
Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2006-2010)
HSDA 11 EAST KOOTENAY									
LHA 001 Fernie		**M**	**7,804**	**71**	**30**		**2**	**39.7**	**78.9**
		F	**7,248**	**70**	**45**		**2**	**39.9**	**83.0**
		T	**15,052**	**141**	**75**	**140**	**4**	**39.8**	**80.8**
Elkford	DM	M		9	1		-		
		F		10	4		-		
		T	2,705	19	5	13	-		
Fernie	C	M		20	9		2		
		F		32	25		1		
		T	4,410	52	34	65	3		
Sparwood	DM	M		16	11		-		
		F		19	10		1		
		T	3,771	35	21	10	1		
LHA 002 Cranbrook		**M**	**12,709**	**149**	**114**		**-**	**40.8**	**77.6**
		F	**13,140**	**130**	**101**		**1**	**42.1**	**82.7**
		T	**25,849**	**279**	**215**	**131**	**1**	**41.5**	**80.2**
Cranbrook	C	M		115	90		-		
		F		106	91		1		
		T	19,123	221	181	59	1		
LHA 003 Kimberley		**M**	**4,266**	**46**	**32**		**-**	**43.6**	**79.6**
		F	**4,301**	**42**	**47**		**-**	**44.8**	**81.8**
		T	**8,567**	**88**	**79**	**41**	**-**	**44.2**	**80.8**
Kimberley	C	M		40	28		-		
		F		37	40		-		
		T	6,648	77	68	28	-		
LHA 004 Windermere		**M**	**5,428**	**49**	**41**		**-**	**40.6**	**83.4**
		F	**5,370**	**41**	**27**		**-**	**41.2**	**X**
		T	**10,798**	**90**	**68**	**117**	**-**	**40.9**	**84.7**
Canal Flats	VL	M		7	5		-		
		F		5	2		-		
		T	826	12	7	4	-		
Invermere	DM	M		11	19		-		
		F		19	18		-		
		T	3,618	30	37	39	-		
Radium Hot Springs	VL	M		6	2		-		
		F		5	3		-		
		T	1,015	11	5	13	-		
LHA 005 Creston		**M**	**6,215**	**46**	**84**		**-**	**44.4**	**76.7**
		F	**6,626**	**56**	**60**		**-**	**45.4**	**83.1**
		T	**12,841**	**102**	**144**	**53**	**-**	**44.9**	**79.8**
Creston	T	M		15	48		-		
		F		22	39		-		
		T	5,245	37	87	23	-		
LHA 018 Golden		**M**	**3,861**	**42**	**19**		**1**	**38.9**	**78.3**
		F	**3,499**	**33**	**16**		**-**	**39.5**	**82.9**
		T	**7,360**	**75**	**35**	**136**	**1**	**39.1**	**80.4**
Golden	T	M		35	18		1		
		F		31	13		-		
		T	3,935	66	31	67	1		
Total		**M**	**40,283**	**403**	**320**		**3**	**41.2**	**78.6**
		F	**40,184**	**372**	**296**		**3**	**42.2**	**83.2**
		T	**80,467**	**775**	**616**	**618**	**6**	**41.7**	**80.8**



APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2010



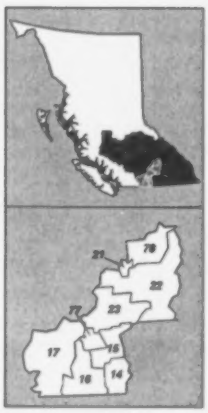
Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2006-2010)
HSDA 12 KOOTENAY BOUNDARY									
LHA 006 Kootenay Lake		M	1,984	13	19		-	44.0	77.0
		F	1,926	21	18		-	45.1	X
		T	3,910	34	37	31	-	44.5	80.5
Kaslo	VL	M		8	13		-		
		F		13	14		-		
		T	1,184	21	27	18	-		
LHA 007 Nelson		M	12,699	111	76		2	40.6	79.1
		F	12,612	100	103		1	42.2	83.2
		T	25,311	211	179	143	3	41.4	81.1
Nelson	C	M		50	33		1		
		F		44	64		-		
		T	9,794	94	97	66	1		
Salmo	VL	M		10	12		1		
		F		12	10		-		
		T	1,070	22	22	5	1		
Slocan	VL	M		3	2		-		
		F		1	2		-		
		T	397	4	4	3	-		
LHA 009 Castlegar		M	6,804	62	63		1	41.7	77.6
		F	6,778	56	53		-	43.3	81.2
		T	13,582	118	116	37	3	42.5	79.4
Castlegar	C	M		37	40		-		
		F		34	38		-		
		T	7,879	71	78	23 2			
LHA 010 Arrow Lakes		M	2,412	19	25		-	45.1	78.4
		F	2,428	10	19		-	46.1	X
		T	4,840	29	44	49	-	45.6	80.6
Nakusp	VL	M		10	11		-		
		F		8	9		-		
		T	1,536	18	20	31	-		
New Denver	VL	M		3	8		-		
		F		1	10		-		
		T	510	4	18	7	-		
Silverton	VL	M		2	1		-		
		F					-		
		T	205	2	1	5	-		
LHA 011 Trail		M	9,456	90	116		2	42.8	76.9
		F	9,820	82	136		-	44.7	81.1
		T	19,276	172	252	103	2	43.8	79.1
Fruitvale	VL	M		16	16		1		
		F		14	18		-		
		T	2,012	30	34	16	1		
Montrose	VL	M		5	5		-		
		F		6	6		-		
		T	1,046	11	11	4	-		
Rossland	C	M		20	9		-		
		F		19	10		-		
		T	3,554	39	19	20	-		
Trail	C	M		32	72		1		
		F		33	91		-		
		T	7,242	65	163	45	1		
Warfield	VL	M		11	9		-		
		F		10	6		-		
		T	1,808	21	15	6	-		

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2010

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2006-2010)
LHA 012 Grand Forks		M	4,410	25	72		-	45.5	75.5
		F	4,483	20	46		-	47.7	82.0
		T	8,893	45	118	35	-	46.6	78.7
Grand Forks	C	M		21	57		-		
		F		18	43		-		
		T	3,998	39	100	27	-		
LHA 013 Kettle Valley		M	1,919	8	12		-	46.2	X
		F	1,797	14	16		-	46.5	X
		T	3,716	22	28	13	-	46.4	X
Greenwood	C	M		2	5		-		
		F		3	8		-		
		T	686	5	13	5	-		
Midway	VL	M		1	2		-		
		F		3	7		-		
		T	663	4	9	3	-		
Total		**M**	**39,684**	**328**	**383**		**5**	**42.6**	**77.8**
		F	**39,844**	**303**	**391**		**1**	**44.2**	**82.4**
		T	**79,528**	**631**	**774**	**411**	**8**	**43.4**	**80.1**
HSDA	**13**	**OKANAGAN**							
LHA 014 Southern Okanagan		M	9,514	54	119		-	48.5	77.7
		F	9,993	65	119		1	50.6	84.1
		T	19,507	119	238	124	2	49.6	80.8
Oliver	T	M		27	60		-		
		F		31	67		1		
		T	4,551	58	127	40	2		
Osoyoos	T	M		19	36	-			
		F		17	29	-			
		T	5,203	36	65	36	-		
LHA 015 Penticton		M	19,834	150	235		-	44.9	77.9
		F	21,570	169	261		1	47.5	83.1
		T	41,404	319	496	261	2	46.3	80.5
Penticton	C	M		120	201	-			
		F		153	236	-			
		T	33,078	273	437	163	1		
LHA 016 Keremeos		M	2,575	23	37		-	48.2	75.5
		F	2,671	15	32		1	48.6	X
		T	5,246	38	69	20	2	48.4	78.8
Keremeos	VL	M		11	27		-		
		F		8	24		1		
		T	1,517	19	51	11	2		
LHA 017 Princeton		M	2,660	22	39		-	48.9	78.3
		F	2,615	23	26		-	48.6	78.2
		T	5,275	45	65	28	-	48.7	78.3
Princeton	T	M		22	37		-		
		F		22	25		-		
		T	2,994	44	62	18	-		
LHA 021 Armstrong -		M	4,729	48	44		1	42.7	79.4
		F	4,956	55	57		2	44.0	84.0
		T	9,685	103	101	39	3	43.4	81.6
Armstrong	C	M		27	30		1		
		F		37	46		2		
		T	4,514	64	76	21	3		
Spallumcheen	DM	M		21	14		-		
		F		18	11		-		
		T	5,153	39	25	18	-		



APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2010

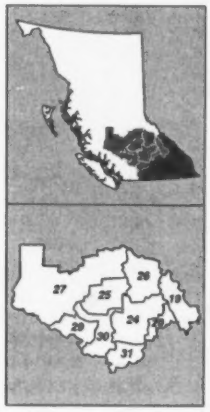
Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2006-2010)
LHA 022 Vernon		M	32,118	296	324		3	42.4	78.5
		F	33,672	287	293		1	44.4	82.9
		T	65,790	583	617	289	4	43.4	80.7
Coldstream	DM	M		34	31		-		
		F		30	24		-		
		T	10,289	64	55	50	-		
Lumby	VL	M		33	22		1		
		F		36	14		-		
		T	1,815	69	36	25	1		
Vernon	C	M		179	227		2		
		F		185	231		1		
		T	38,895	364	458	171	3		
LHA 023 Central Okanagan		M	91,200	834	778		3	41.3	79.8
		F	94,106	830	750		8	43.1	83.8
		T	185,306	1,664	1,528	1,072	12	42.2	81.8
Kelowna	C	M		563	533		2		
		F		542	539		7		
		T	121,306	1,105	1,072	752	10		
Lake Country	DM	M		70	33		1		
		F		62	35		-		
		T	11,512	132	68	79	1		
Peachland	DM	M		14	28		-		
		F		17	22		-		
		T	5,172	31	50	40	-		
LHA 077 Summerland		M	5,469	39	71		-	46.6	79.8
		F	5,996	30	60		-	48.1	X
		T	11,465	69	131	81	-	47.4	83.1
Summerland	DM	M		39	71	-			
		F		30	60	-			
		T	11,007	69	131	81	-		
LHA 078 Enderby		M	3,831	36	43		-	43.5	76.3
		F	3,851	38	36		-	43.9	X
		T	7,682	74	79	39	1	43.7	79.1
Enderby	C	M		31	38		-		
		F		30	35		-		
		T	2,924	61	73	33	1		
TOTAL		**M**	**171,930**	**1,502**	**1,690**		**7**	**42.8**	**79.0**
		F	**179,430**	**1,512**	**1,634**		**14**	**44.7**	**83.5**
		T	**351,360**	**3,014**	**3,324**	**1,953**	**26**	**43.8**	**81.3**
HSDA 14 THOMPSON CARIBOO SHUSHWAP									
LHA 019 Revelstoke		M	4,024	54	31		-	40.1	80.0
		F	3,910	38	20		2	41.5	X
		T	7,934	92	51	33	2	40.8	81.9
Revelstoke	C	M		54	31		-		
		F		38	20		2		
		T	7,271	92	51	33	2		
LHA 020 Salmon Arm		M	17,150	143	204		2	44.5	77.6
		F	17,728	126	164		-	45.7	83.4
		T	34,878	269	368	207	3	45.1	80.5

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2010

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2006-2010)
Salmon Arm	C	M		89	124		1		
		F		72	113		-		
		T	17,128	161	237	104	2		
Sicamous	DM	M		5	22		1		
		F		5	12		-		
		T	2,963	10	34	23	1		
LHA 024 Kamloops		M	55,086	510	457		5	40.6	77.9
		F	55,874	536	372		2	41.9	82.5
		T	110,960	1,046	829	550	9	41.3	80.2
Chase	VL	M		23	28		-		
		F		15	17		-		
		T	2,487	38	45	42	-		
Kamloops	C	M		428	345		5		
		F		440	314		2		
		T	87,110	868	659	377	9		
Logan Lake	DM	M		3	15		-		
		F		3	8		-		
		T	2,208	6	23	4	-		
LHA 025 100 Mile House		M	7,585	47	73		-	44.8	77.0
		F	7,309	38	52		-	44.7	81.4
		T	14,894	85	125	88	-	44.8	79.1
100 Mile House	DM	M		29	23		-		
		F		20	21		-		
		T	1,955	49	44	37	-		
LHA 026 North Thompson		M	2,175	20	21		1	42.4	73.6
		F	2,140	18	19		-	41.2	X
		T	4,315	38	40	20	1	41.8	76.7
LHA 027 Cariboo - Chilcotin		M	13,663	133	121		2	39.4	75.8
		F	13,142	134	76		2	39.9	81.1
		T	26,805	267	197	101	6	39.7	78.3
Williams Lake	C	M		66	58		1		
		F		65	46		1		
		T	11,002	131	104	41	3		
LHA 029 Lillooet		M	2,299	29	19		-	40.1	X
		F	2,157	19	13		-	41.0	77.8
		T	4,456	48	32	18	-	40.5	76.6
Lillooet	DM	M		26	16		-		
		F		13	11		-		
		T	2,368	39	27	12	-		
LHA 030 South Cariboo		M	3,775	38	32		-	43.7	75.4
		F	3,663	30	39		-	43.6	79.1
		T	7,438	68	71	29	-	43.6	77.3
Ashcroft	VL	M		11	9		-		
		F		12	20		-		
		T	1,756	23	29	10	-		
Cache Creek	VL	M		11	4		-		
		F		8	11		-		
		T	1,085	19	15	14	-		
Clinton	VL	M		3	7		-		
		F		2	3		-		
		T	604	5	10	3	-		
Lytton	VL	M		11	8		-		
		F		6	5		-		
		T	226	17	13	1	-		

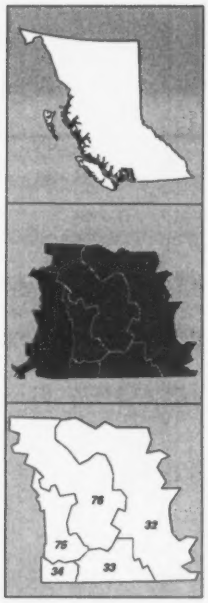


APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2010

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2006-2010)
LHA 031 Merritt		M	5,814	54	62		2	40.7	74.5
		F	5,738	52	54		-	41.5	79.9
		T	11,552	106	116	42	2	41.1	77.0
Merritt	C	M		43	52		2		
		F		43	42		-		
		T	7,285	86	94	29	2		
TOTAL		**M**	**111,571**	**1,028**	**1,020**		**12**	**41.5**	**77.3**
		F	**111,661**	**991**	**809**		**6**	**42.5**	**82.1**
		T	**223,232**	**2,019**	**1,829**	**1,088**	**23**	**42.0**	**79.7**
HA 01 INTERIOR TOTAL		**M**	**363,468**	**3,261**	**3,413**		**27**	**42.2**	**78.3**
		F	**371,119**	**3,178**	**3,130**		**24**	**43.7**	**83.0**
		T	**734,587**	**6,439**	**6,543**	**4,070**	**63**	**42.9**	**80.6**
HSDA 21 FRASER EAST									
LHA 032 Hope		M	4,179	26	58		-	43.6	73.5
		F	4,087	35	52		-	44.0	77.8
		T	8,266	61	110	37	-	43.8	75.5
Hope	DM	M		23	47		-		
		F		30	46		-		
		T	6,322	53	93	31	-		
LHA 033 Chilliwack		M	42,825	542	344		3	38.8	77.8
		F	43,704	472	334		-	40.7	82.2
		T	86,529	1,014	678	464	4	39.8	80.0
Chilliwack	C	M		515	306		3		
		F		447	294		-		
		T	77,975	962	600	349	4		
LHA 034 Abbotsford		M	69,321	873	446		10	36.8	79.1
		F	68,950	854	470		15	39.0	83.7
		T	138,271	1,727	916	494	26	37.9	81.4
Abbotsford	C	M		872	446		10		
		F		853	470		15		
		T	138,179	1,725	916	493	26		
LHA 075 Mission		M	21,893	251	120		3	37.3	77.1
		F	20,752	216	142		3	38.7	81.3
		T	42,645	467	262	169	7	38.0	79.2
Mission	DM	M		225	109		3		
		F		199	128		3		
		T	37,574	424	237	147	7		
LHA 076 Agassiz - Harrison		M	4,562	47	41		1	41.3	77.6
		F	4,504	37	32		-	42.2	83.5
		T	9,066	84	73	175	3	41.7	80.4
Harrison Hot Springs	VL	M		3	7		-		
		F		7	4		-		
		T	1,598	10	11	73	-		
Kent	DM	M		44	34		1		
		F		30	28		-		
		T	5,579	74	62	102	3		
TOTAL		**M**	**142,780**	**1,739**	**1,009**		**17**	**37.8**	**78.2**
		F	**141,997**	**1,614**	**1,030**		**18**	**39.7**	**82.7**
		T	**284,777**	**3,353**	**2,039**	**1,339**	**40**	**38.7**	**80.4**

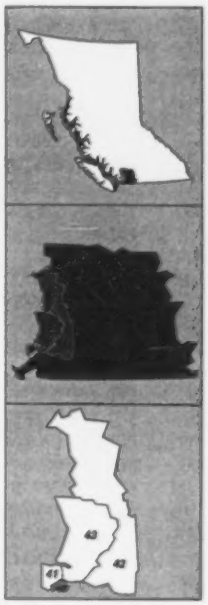


APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2010

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2006-2010)
HSDA 22 FRASER NORTH									
LHA 040 New Westminster		**M**	**33,006**	**368**	**231**		**3**	**39.4**	**78.1**
		F	**33,886**	**326**	**258**		**4**	**41.1**	**82.4**
		T	**66,892**	**694**	**489**	**303**	**9**	**40.2**	**80.3**
New Westminster	C	M		368	231		3		
		F		326	258		4		
		T	66,892	694	489	303	9		
LHA 041 Burnaby		**M**	**112,256**	**1,154**	**665**		**11**	**38.6**	**80.8**
		F	**115,133**	**1,048**	**656**		**6**	**40.5**	**85.1**
		T	**227,389**	**2,202**	**1,321**	**819**	**23**	**39.5**	**83.0**
Burnaby	C	M		1,154	665		11		
		F		1,048	656		6		
		T	227,389	2,202	1,321	819	23		
LHA 042 Maple Ridge		**M**	**47,350**	**517**	**325**		**3**	**37.2**	**78.3**
		F	**47,544**	**449**	**323**		**2**	**39.1**	**82.3**
		T	**94,894**	**966**	**648**	**410**	**7**	**38.1**	**80.4**
Maple Ridge	DM	M		409	271		1		
		F		343	279		2		
		T	76,418	752	550	237	5		
Pitt Meadows	C	M		105	53		2		
		F		103	43		-		
		T	18,136	208	96	172	2		
LHA 043 Coquitlam		**M**	**110,491**	**1,085**	**483**		**12**	**37.4**	**81.1**
		F	**110,427**	**1,028**	**500**		**7**	**39.1**	**84.7**
		T	**220,918**	**2,113**	**983**	**555**	**20**	**38.2**	**83.0**
Anmore	VL	M		9	5		-		
		F		9			-		
		T	2,203	18	5	8	-		
Belcarra	VL	M		3	3		-		
		F		1			-		
		T	690	4	3	5	-		
Coquitlam	C	M		560	274		7		
		F		576	299		5		
		T	126,594	1,136	573	360	13		
Port Coquitlam	C	M		273	142		3		
		F		251	137		2		
		T	57,431	524	279	76	5		
Port Moody	C	M		238	59		2		
		F		189	64		-		
		T	33,933	427	123	106	2		
TOTAL		**M**	**303,103**	**3,124**	**1,704**		**29**	**38.0**	**80.2**
		F	**306,990**	**2,851**	**1,737**		**19**	**39.8**	**84.2**
		T	**610,093**	**5,975**	**3,441**	**2,087**	**59**	**38.9**	**82.3**



APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2010

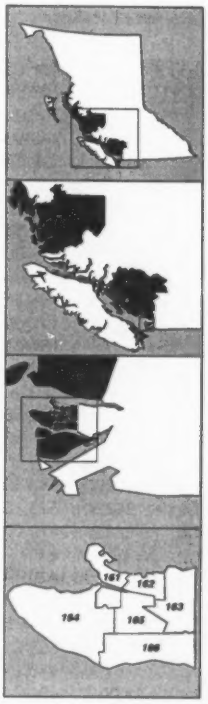
Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2006-2010)
HSDA 23 FRASER SOUTH									
LHA 035 Langley		M	64,726	708	465		2	39.0	79.3
		F	66,501	667	481		6	41.2	83.3
		T	131,227	1,375	946	764	10	40.1	81.4
Langley (City)	C	M		149	127		1		
		F		135	146		1		
		T	25,858	284	273	202	2		
Langley (Dm)	DM	M		559	331		1		
		F		532	325		5		
		T	104,697	1,091	656	561	8		
LHA 037 Delta		M	50,141	423	309		11	40.5	80.9
		F	50,726	420	335		2	42.5	84.3
		T	100,867	843	644	243	14	41.5	82.7
Delta	DM	M		421	309		11		
		F		417	333		2		
		T	100,000	838	642	241	14		
LHA 201 Surrey		M	199,175	2,662	1,015		22	36.4	79.7
		F	196,037	2,545	856		34	37.9	83.5
		T	395,212	5,207	1,871	1,134	63	37.2	81.6
Surrey	C	M		2,662	1,014		22		
		F		2,545	856		34		
		T	462,345	5,207	1,870	1,134	63		
LHA 202 South Surrey/ White Rock		M	41,291	334	415		1	44.7	81.0
		F	45,446	304	434		5	48.2	85.4
		T	86,737	638	849	441	7	46.5	83.4
White Rock	C	M		74	126		-		
		F		64	164		-		
		T	19,278	138	290	86	-		
TOTAL		**M**	**355,333**	**4,127**	**2,204**		**36**	**38.4**	**80.0**
		F	**358,710**	**3,936**	**2,106**		**47**	**40.5**	**83.9**
		T	**714,043**	**8,063**	**4,310**	**2,582**	**94**	**39.5**	**82.0**
HA 02 FRASER TOTAL		M	801,216	8,990	4,917		82	38.2	79.7
		F	807,697	8,401	4,873		84	40.1	83.8
		T	1,608,913	17,391	9,790	6,008	193	39.1	81.8
HSDA 31 RICHMOND									
LHA 038 Richmond		M	96,067	829	450		8	38.7	83.7
		F	100,791	825	479		4	40.2	86.8
		T	196,858	1,654	929	992	15	39.5	85.3
Richmond	C	M		829	450		8		
		F		825	479		4		
		T	196,858	1,654	929	992	15		
TOTAL		**M**	**96,067**	**829**	**450**		**8**	**38.7**	**83.7**
		F	**100,791**	**825**	**479**		**4**	**40.2**	**86.8**
		T	**196,858**	**1,654**	**929**	**992**	**15**	**39.5**	**85.3**

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2010

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2006-2010)
HSDA 32 VANCOUVER									
LHA 161 Vancouver - City Centre		M	61,167	566	313		4	39.5	78.6
		F	58,600	500	302		7	40.2	84.8
		T	119,767	1,066	615	1,275	16	39.8	81.6
LHA 162 Vancouver - Downtown Eastside		M	38,042	271	285		3	41.1	74.6
		F	31,822	250	161		2	40.2	84.6
		T	69,864	521	446	434	7	40.7	78.6
LHA 163 Vancouver - North East		M	52,081	544	320		2	38.9	81.6
		F	53,295	515	243		9	40.7	85.6
		T	105,376	1,059	563	386	13	39.8	83.6
LHA 164 Vancouver - Westside		M	65,286	565	342		3	37.5	82.5
		F	71,461	528	396		6	40.1	87.0
		T	136,747	1,093	738	1,171	12	38.8	84.9
LHA 165 Vancouver - Midtown		M	45,131	500	225		4	38.1	80.5
		F	46,915	455	183		2	39.3	85.2
		T	92,046	955	408	498	7	38.7	82.9
LHA 166 Vancouver - South		M	65,682	620	379		6	39.0	82.7
		F	69,732	572	421		2	41.6	85.2
		T	135,414	1,192	800	319	12	40.4	84.0
TOTAL		**M**	**327,389**	**3,067**	**1,864**		**22**	**38.9**	**80.3**
		F	**331,825**	**2,822**	**1,706**		**28**	**40.4**	**85.4**
		T	**659,214**	**5,889**	**3,570**	**4,083**	**67**	**39.7**	**82.9**
HSDA 33 NORTH SHORE/COAST GARIBALDI									
LHA 044 North Vancouver		M	69,141	576	368		7	39.5	81.4
		F	72,703	605	383		1	41.6	85.0
		T	141,844	1,181	751	371	9	40.5	83.3
North Vancouver	C	M		224	142		3		
		F		262	148		-		
		T	50,725	486	290	118	4		
North Vancouver	DM	M		341	218		4		
		F		325	229		1		
		T	88,370	666	447	250	5		
LHA 045 West Vancouver- Bowen Island		M	24,869	128	191		4	43.5	83.6
		F	27,722	131	235		3	45.5	86.0
		T	52,591	259	426	295	9	44.5	84.9
Bowen Island	IM	M		13	4		-		
		F		16	7		-		
		T	3,678	29	11	31	-		
Lions Bay	VL	M		5	4		-		
		F		3	3		-		
		T	1,395	8	7	8	-		
West Vancouver	DM	M		101	170		3		
		F		104	219		1		
		T	44,058	205	389	254	6		
LHA 046 Sunshine Coast		M	14,565	115	153		1	46.0	79.7
		F	15,419	106	120		-	47.1	83.9
		T	29,984	221	273	326	1	46.6	81.7
Gibsons	T	M		36	43		-		
		F		29	46		-		
		T	4,416	65	89	43	-		
Sechelt/ Sechelt Indian Govt. Dist.	DM/ IGD	M		41	56		1		
		F		42	48		-		
		T	10,342	83	104	70	1		



APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2010

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2006-2010)
LHA 047 Powell River		M	9,969	79	109		-	44.3	78.1
		F	10,106	68	108		2	45.8	82.9
		T	20,075	147	217	88	3	45.0	80.5
Powell River	C	M		55	86	-			
		F		52	93	2			
		T	13,574	107	179	47	3		
LHA 048 Howe Sound		M	18,988	236	58		1	35.7	80.4
		F	16,912	236	45		6	36.0	83.1
		T	35,900	472	103	413	7	35.8	81.5
Pemberton	VL	M		33	7		-		
		F		32	2		-		
		T	2,437	65	9	30	-		
Squamish	DM	M		144	38		-		
		F		139	33		4		
		T	17,898	283	71	76	4		
Whistler	DM	M		35	6		-		
		F		34	5		-		
		T	10,531	69	11	265	-		
LHA 049 Bella Coola Valley		M	1,510	25	10		-	38.6	74.9
		F	1,428	19	10		-	39.2	82.6
		T	2,938	44	20	11	-	38.9	78.5
LHA 083 Central Coast		M	775	15	7		-	34.5	X
		F	713	6	5		-	34.5	X
		T	1,488	21	12	12	-	34.5	71.9
TOTAL		**M**	**139,817**	**1,174**	**896**		**13**	**40.7**	**81.1**
		F	**145,003**	**1,171**	**906**		**12**	**42.5**	**84.6**
		T	**284,820**	**2,345**	**1,802**	**1,516**	**29**	**41.6**	**82.9**
HA 03 VANCOUVER COASTAL TOTAL		**M**	**563,273**	**5,070**	**3,210**		**43**	**39.3**	**81.1**
		F	**577,619**	**4,818**	**3,091**		**44**	**40.9**	**85.4**
		T	**1,140,892**	**9,888**	**6,301**	**6,591**	**111**	**40.1**	**83.3**
HSDA 41 SOUTH VANCOUVER ISLAND									
LHA 061 Greater Victoria		M	106,499	908	958		12	40.9	79.2
		F	116,335	916	1,117		4	43.7	83.9
		T	222,834	1,824	2,075	1,174	20	42.4	81.7
Esquimalt	DM	M		92	75		1		
		F		86	65		-		
		T	17,689	178	140	123	1		
Oak Bay	DM	M		37	94		-		
		F		44	116		-		
		T	18,012	81	210	96	-		
Saanich	DM	M		378	274		2		
		F		374	281		3		
		T	114,140	752	555	243	8		
Victoria	C	M		333	471		7		
		F		354	628		1		
		T	83,362	687	1,099	680	9		
View Royal	T	M		52	35		1		
		F		46	23		-		
		T	9,743	98	58	24	1		

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

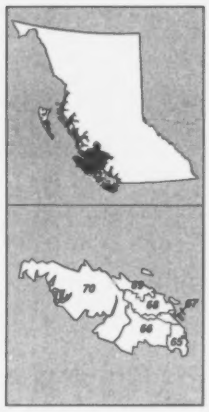
BRITISH COLUMBIA, 2010

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2006-2010)
LHA 062 Sooke		M	34,976	420	183		2	38.1	80.0
		F	34,652	406	174		1	39.3	83.4
		T	69,628	826	357	407	3	38.7	81.7
Colwood	C	M		93	52		2		
		F		79	49				
		T	16,579	172	101	135	2		
Highlands	DM	M		5	3				
		F		8					
		T	2,257	13	3	12			
Langford	C	M		207	71				
		F		199	73				
		T	29,158	406	144	73			
Metchosin	DM	M		21	10				
		F		20	8				
		T	5,308	41	18	43			
Sooke	DM	M		78	35				
		F		86	37		1		
		T	10,876	164	72	104	1		
LHA 063 Saanich		M	30,787	209	327		1	45.9	81.7
		F	33,125	204	314		1	48.3	85.6
		T	63,912	413	641	333	3	47.1	83.7
Central Saanich	DM	M		69	73				
		F		57	88		1		
		T	16,201	126	161	103	2		
North Saanich	DM	M		25	43				
		F		28	29				
		T	11,112	53	72	63			
Sidney	T	M		32	81				
		F		43	101				
		T	11,600	75	182	60			
LHA 064 Gulf Islands		M	7,698	49	74		-	48.6	81.7
		F	8,270	52	72		-	50.0	85.9
		T	15,968	101	146	196	-	49.3	83.9
TOTAL		**M**	**179,960**	**1,586**	**1,542**		**15**	**41.6**	**80.1**
		F	**192,382**	**1,578**	**1,677**		**6**	**44.0**	**84.4**
		T	**372,342**	**3,164**	**3,219**	**2,110**	**26**	**42.8**	**82.3**
HSDA 42	**CENTRAL VANCOUVER ISLAND**								
LHA 065 Cowichan		M	28,619	269	235		4	41.4	78.8
		F	29,097	252	226		1	42.7	83.2
		T	57,716	521	461	341	7	42.1	81.0
Duncan	C	M		23	65		-		
		F		21	73		1		
		T	4,987	44	138	19	1		
North Cowichan	DM	M		116	86		1		
		F		102	82		-		
		T	29,837	218	168	104	1		
LHA 066 Lake Cowichan		M	3,322	14	36		1	42.4	79.1
		F	3,171	17	25		-	42.4	84.3
		T	6,493	31	61	21	1	42.4	81.6
Lake Cowichan	T	M	14	29		-			
		F		14	23		-		
		T	3,184	28	52	14	-		

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2010



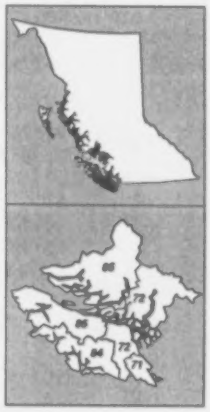
Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2006-2010)
LHA 067 Ladysmith		**M**	**9,084**	**62**	**124**		**-**	**46.1**	**76.6**
		F	**9,579**	**71**	**100**		**-**	**47.1**	**81.1**
		T	**18,663**	**133**	**224**	**106**	**1**	**46.6**	**78.8**
Ladysmith	T	M		28	49		-		
		F		31	44		-		
		T	8,243	59	93	49	-		
LHA 068 Nanaimo		**M**	**51,241**	**493**	**494**		**4**	**41.9**	**78.3**
		F	**53,127**	**446**	**482**		**2**	**43.8**	**82.9**
		T	**104,368**	**939**	**976**	**393**	**7**	**42.9**	**80.6**
Lantzville	DM	M		16	17		-		
		F		5	17		-		
		T	3,689	21	34	28	-		
Nanaimo	C	M		426	418		4		
		F		392	441		1		
		T	85,512	818	859	287	6		
LHA 069 Qualicum		**M**	**22,202**	**121**	**262**		**-**	**49.3**	**79.3**
		F	**23,496**	**137**	**241**		**-**	**51.1**	**84.5**
		T	**45,698**	**258**	**503**	**307**	**-**	**50.2**	**81.8**
Parksville	C	M		43	100		-		
		F		30	101		-		
		T	11,831	73	201	134	-		
Qualicum Beach	T	M		17	81		-		
		F		23	87		-		
		T	8,729	40	168	50	-		
LHA 070 Alberni		**M**	**16,044**	**176**	**161**		**341.5**	**76.0**	
		F	**15,591**	**157**	**147**		**242.3**	**80.8**	
		T	**31,635**	**333**	**308**	**495**	**641.9**	**78.3**	
Port Alberni	C	M		91	114		1		
		F		88	120		1		
		T	17,752	179	234	65	3		
Tofino	DM	M		18	8		-		
		F		17	5		-		
		T	1,895	35	13	300	-		
Ucluelet	DM	M		14	7		-		
		F		16	3		-		
		T	1,605	30	10	88	-		
TOTAL		**M**	**130,512**	**1,135**	**1,312**		**12**	**43.3**	**78.3**
		F	**134,061**	**1,080**	**1,221**		**5**	**44.8**	**82.9**
		T	**264,573**	**2,215**	**2,533**	**1,663**	**22**	**44.1**	**80.5**
HSDA 43 NORTH VANCOUVER ISLAND									
LHA 071 Courtenay		**M**	**31,593**	**275**	**270**		**2**	**43.2**	**79.5**
		F	**33,049**	**269**	**265**		**2**	**44.8**	**83.9**
		T	**64,642**	**544**	**535**	**346**	**4**	**44.1**	**81.7**
Comox	T	M		42	71		-		
		F		45	74		-		
		T	13,644	87	145	69	-		
Courtenay	C	M		136	108		1		
		F		128	110		1		
		T	24,589	264	218	83	2		
Cumberland	VL	M		19	10		-		
		F		29	25		-		
		T	3,253	48	35	7	-		

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2010

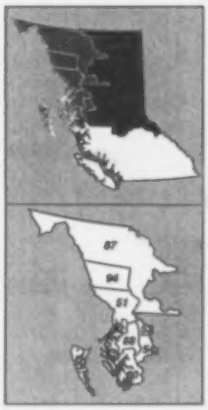
Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2006-2010)
LHA 072 Campbell River		M	21,067	176	190		1	41.3	77.6
		F	20,722	170	162		1	42.2	82.0
		T	41,789	346	352	236	3	41.8	79.7
Campbell River	C	M		145	155		-		
		F		140	139		1		
		T	31,580	285	294	168	2		
Sayward	VL	M		2	3		-		
		F		3	3		-		
		T	334	5	6	3	-		
LHA 084 Vancouver Island West		M	1,255	11	7		-	42.2	83.2
		F	1,091	9	3		1	40.1	X
		T	2,346	20	10	10	1	41.2	86.5
Gold River	VL	M		8	4		-		
		F		5	2		1		
		T	1,411	13	6	9	1		
Tahsis	VL	M		1	2		-		
		F		2	1		-		
		T	380	3	3		-		
LHA 085 Vancouver Island North		M	6,469	67	51		-	38.5	74.6
		F	5,838	76	46		-	38.3	78.0
		T	12,307	143	97	40	-	38.4	76.2
Alert Bay	VL	M		6	3		-		
		F		9	8		-		
		T	486	15	11	5	-		
Port Alice	VL	M		3	1		-		
		F		2	1		-		
		T	843	5	2		-		
Port Hardy	DM	M		33	25		-		
		F		41	22		-		
		T	3,950	74	47	18	-		
Port McNeill	T	M		18	15		-		
		F		19	8		-		
		T	2,648	37	23	7	-		
Zeballos	VL	M		2	2		-		
		F		2	2		-		
		T	166	4	4	1	-		
TOTAL		M	60,384	529	518		3	42.1	78.2
		F	60,700	524	476		4	43.2	82.8
		T	121,084	1,053	994	632	8	42.6	80.5
HA 04 VANCOUVER ISLAND TOTAL		M	370,856	3,250	3,372		30	42.3	79.1
		F	387,143	3,182	3,374		15	44.2	83.6
		T	757,999	6,432	6,746	4,405	56	43.2	81.4



APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2010



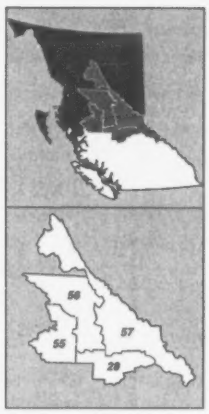
Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2006-2010)
HSDA 51 NORTHWEST									
LHA 050 Queen Charlotte		M	2,400	15	16		-	39.6	73.7
		F	2,193	25	16		-	39.0	81.4
		T	4,593	40	32	19	-	39.3	77.2
Masset	VL	M		4	7		-		
		F		10	7		-		
		T	920	14	14	8	-		
Port Clements	VL	M		1	2		-		
		F		3	3		-		
		T	456	4	5		-		
LHA 051 Snow Country		M	272		3		-	42.2	76.5
		F	269		1		-	39.1	X
		T	541		4	4	-	40.7	80.2
Stewart	DM	M			3		-		
		F			1		-		
		T	495		4	4	-		
LHA 052 Prince Rupert		M	7,206	112	51		1	38.1	76.8
		F	7,166	102	37		1	38.3	81.2
		T	14,372	214	88	48	2	38.2	78.9
Port Edward	DM	M		4	3		-		
		F		4	2		-		
		T	571	8	5		-		
Prince Rupert	C	M		98	47		1		
		F		93	33		1		
		T	12,994	191	80	46	2		
LHA 053 Upper Skeena		M	2,844	24	12		-	36.1	77.9
		F	2,563	38	18		-	36.0	82.5
		T	5,407	62	30	24	-	36.0	80.1
Hazelton	VL	M		16	9		-		
		F		13	11		-		
		T	302	29	20	14	-		
New Hazelton	DM	M		6	2		-		
		F		12	5		-		
		T	603	18	7	6	-		
LHA 054 Smithers		M	8,306	129	41		-	37.4	77.9
		F	7,908	101	31		-	37.6	82.1
		T	16,214	230	72	80	-	37.5	79.8
Houston	DM	M		23	9		-		
		F		25	8		-		
		T	3,008	48	17	13	-		
Smithers	T	M		53	19		-		
		F		35	20		-		
		T	5,408	88	39	32	-		
Telkwa	VL	M		15	1		-		
		F		14			-		
		T	1,403	29	1	8	-		
LHA 080 Kitimat		M	5,365	49	35		1	39.5	77.6
		F	4,872	35	31		1	40.1	82.5
		T	10,237	84	66	36	2	39.8	79.8
Kitimat	DM	M		41	28		1		
		F		31	26		1		
		T	9,178	72	54	35	2		

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2010

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2006-2010)
LHA 087 Stikine		M	510	5	2		-	41.2	76.5
		F	476	1	3		-	40.5	X
		T	986	6	5	4	-	40.9	80.2
LHA 088 Terrace		M	10,432	123	89		2	37.7	75.5
		F	10,104	105	55		2	38.3	80.1
		T	20,536	228	144	84	4	38.0	77.6
Terrace	C	M		74	62		2		
		F		59	32		2		
		T	11,931	133	94	42	4		
LHA 092 Nisga'a		M	1,028	15	4		-	35.9	X
		F	930	26	4		1	34.3	X
		T	1,958	41	8	4	1	35.1	73.7
LHA 094 Telegraph Creek		M	371	6	4		-	34.1	76.5
		F	338	5	1		-	33.6	X
		T	709	11	5	4	-	33.9	80.2
TOTAL		**M**	**38,734**	**478**	**257**		**4**	**37.9**	**76.4**
		F	**36,819**	**438**	**197**		**5**	**38.2**	**81.1**
		T	**75,553**	**916**	**454**	**307**	**9**	**38.1**	**78.6**
HSDA	**52**	**NORTHERN INTERIOR**							
LHA 028 Quesnel		M	11,923	119	114		1	40.4	76.3
		F	11,861	112	86		-	40.9	81.8
		T	23,784	231	200	107	1	40.6	78.9
Quesnel	C	M		59	52		-		
		F		44	46		-		
		T	9,746	103	98	53	-		
Wells	DM	M			1		-		
		F		3			-		
		T	278	3	1	3	-		
LHA 055 Burns Lake		M	4,136	32	30		1	38.2	76.6
		F	3,824	30	25		-	38.6	80.5
		T	7,960	62	55	29	1	38.4	78.4
Burns Lake	VL	M		30	24		-		
		F		26	23		-		
		T	2,142	56	47	23	-		
Granisle	VL	M		2	6		-		
		F		4	1		-		
		T	396	6	7	2	-		
LHA 056 Nechako		M	7,768	115	59		1	37.3	75.6
		F	7,241	122	40		1	37.7	80.1
		T	15,009	237	99	70	2	37.5	77.6
Fort St. James	DM	M		33	15		1		
		F		27	11		-		
		T	1,295	60	26	15	1		
Fraser Lake	VL	M		18	6		-		
		F		15	3		-		
		T	1,161	33	9	8	-		
Vanderhoof	DM	M		60	31		-		
		F		73	24		1		
		T	4,049	133	55	39	1		
LHA 057 Prince George		M	49,433	555	298		3	37.8	77.1
		F	47,603	520	267		4	38.3	81.2
		T	97,036	1,075	565	419	9	38.0	79.0

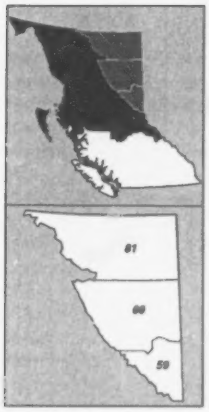


APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2010

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2008-2010)
Mackenzie	DM	M		21	7		-		
		F		16	8		-		
		T	3,706	37	15	14	-		
McBride	VL	M		15	5		-		
		F		3	4		-		
		T	677	18	9	4	-		
Prince George	C	M		456	245		2		
		F		433	231		4		
		T	75,568	889	476	314	8		
Valemount	VL	M		1	3		-		
		F		10	4		-		
		T	1,062	11	7	18	-		
TOTAL		**M**	**73,260**	**821**	**501**		**6**	**38.2**	**76.7**
		F	**70,529**	**784**	**418**		**5**	**38.7**	**81.1**
		T	**143,789**	**1,605**	**919**	**625**	**13**	**38.4**	**78.8**
HSDA 53 NORTHEAST									
LHA 059 Peace River South		M	14,147	167	101		1	37.3	77.3
		F	13,354	140	83		-	38.4	80.5
		T	27,501	307	184	103	1	37.8	78.8
Chetwynd	DM	M		36	16		-		
		F		30	9		-		
		T	2,714	66	25	14	-		
Dawson Creek	C	M		95	57		-		
		F		73	55		-		
		T	11,860	168	112	54	-		
Pouce Coupe	VL	M		8	7		1		
		F		4	9		-		
		T	792	12	16	4	1		
Tumbler Ridge	DM	M		9	4		-		
		F		16	2		-		
		T	2,428	25	6	8	-		
LHA 060 Peace River North		M	18,408	321	100		3	33.5	76.3
		F	16,999	277	62		4	33.6	82.6
		T	35,407	598	162	170	8	33.5	79.2
Fort St. John	C	M		197	65		2		
		F		178	42		3		
		T	19,873	375	107	83	6		
Hudson's Hope	DM	M		4	2		-		
		F		3	4		1		
		T	1,056	7	6	11	1		
Taylor	DM	M		16	2		-		
		F		13	2		-		
		T	1,497	29	4	9	-		
LHA 061 Fort Nelson		M	3,397	51	16		1	32.9	74.3
		F	2,922	39	12		2	31.9	X
		T	6,319	90	28	15	3	32.4	76.3
Fort Nelson	T	M		50	15		1		
		F		37	12		2		
		T	na	87	27	15	3		
TOTAL		**M**	**35,952**	**539**	**217**		**5**	**34.9**	**76.6**
		F	**33,275**	**456**	**157**		**6**	**35.3**	**81.5**
		T	**69,227**	**995**	**374**	**288**	**12**	**35.1**	**78.9**



APPENDIX 1 – *continued*

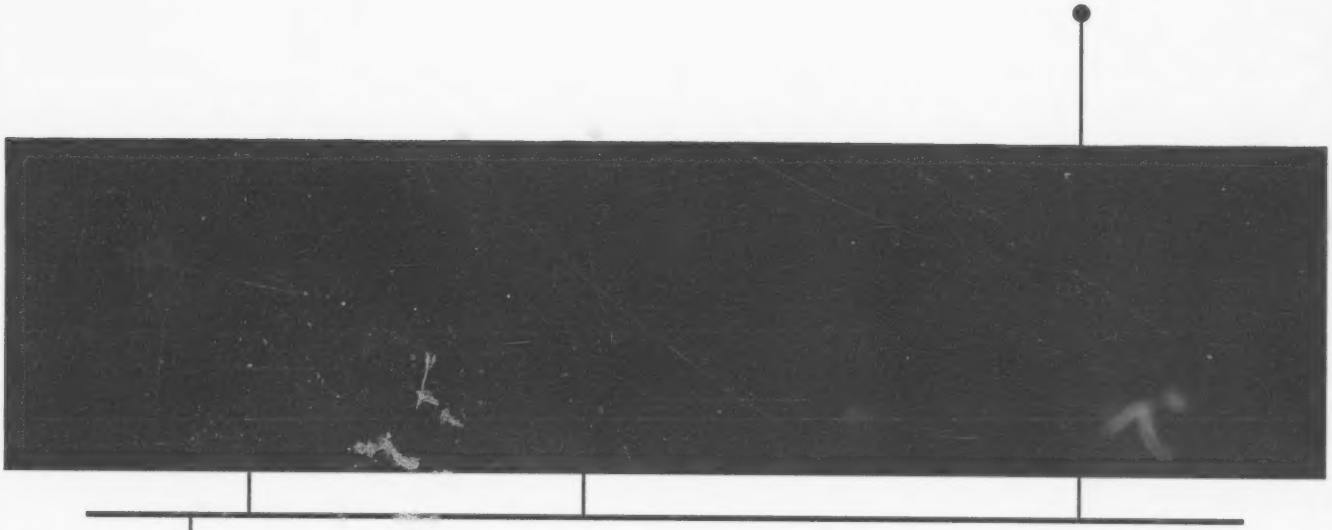
STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2010

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type†	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2006-2010)
HA 05 NORTHERN		M	147,946	1,838	975		15	37.3	76.6
TOTAL		F	140,623	1,678	772		16	37.8	81.2
		T	288,569	3,516	1,747	1,220	34	37.5	78.8
HA 06 PROVINCIAL		M	2,246,759	22,409	15,900		197	39.7	79.5
HEALTH		F	2,284,201	21,258	15,243		183	41.4	83.9
SERVICE		T	4,530,960	43,667	31,143	22,311	457	40.6	81.7
(PROVINCIAL TOTAL)									

Note: Live births, stillbirths and deaths are assigned to communities based on the postal code of usual residence.
Marriages are assigned according to the place where the marriage ceremony was performed, and include non-residents.
Totals for gender include cases with unknown gender.
Population estimates and average age (2010) and life expectancy (2006 -2010) from BC STATS, Ministry of Labour and Citizens' Services).
† C=City, T=Town, VL=Village, DM=District Municipality, IGD= Indian Government District, IM=Island Municipality, RM=Resort Municipality.
Some communities span the boundaries of more than one LHA. When this occurs, the community is shown under the LHA containing the larger portion of the population.
HSDA 32 Vancouver Total may include unspecified Vancouver addresses.
**Local Health Areas 51, 87, 94 have been combined to have a common life expectancy as they individually include regions too small for calculation.
"X" means that the value has been suppressed for reasons of data quality.

Appendix Two



Detailed Cause of Death by Gender and Age

British Columbia, 2010

Preamble to Appendix 2

Appendix 2 provides detailed causes of death by gender and age group for deaths that occurred in British Columbia to provincial residents in the current year. Causes of death are coded according to the World Health Organization's International Statistical Classification of Diseases and Related Health Problems, Tenth Revision (ICD-10). ICD-10 defines the underlying cause of death as "(a) the disease or injury which initiated the train of events leading directly to death, or (b) the circumstances of the accident or violence which produced the fatal injury." ICD-10 codes consist of a letter followed by a two-digit number, and sometimes include a third digit to provide more specificity. In this appendix, the ICD-10 codes are presented at the three character level only, truncating the third digit.

The list below provides a summary of ICD-10 codes, including many of the subgroups used for underlying causes of death in this report:

Cause of Death Category	ICD-10 Code(s)
Certain infectious and parasitic diseases	A00-B99
Tuberculosis	A15-A19, B90
HIV disease	B20-B24
Neoplasms	C00-D48
Malignant neoplasms	C00-C97
Malignant neoplasm of colon and rectum	C18-C21
Malignant neoplasm of lung	C34
Malignant neoplasm of female breast	C500-C509
Diseases of blood and blood-forming organs and disorders involving the immune mechanism	D50-D89
Endocrine, nutritional, and metabolic diseases	E00-E90
Diabetes mellitus	E10-E14
Mental and behavioural disorders	F00-F99
Vascular/senile dementia	F01, F03
Psychoactive substance and drug use/abuse	F11-F16, F19
Diseases of the nervous system	G00-G99
Alzheimer's disease	G30
Diseases of the eye and adnexa	H00-H59
Diseases of the ear and mastoid process	H60-H95
Diseases of the circulatory system	I00-I99
Cardiovascular disease	I00-I51
Ischemic heart diseases	I20-I25
Cerebrovascular diseases	I60-I69
Atherosclerosis	I70
Diseases of the respiratory system	J00-J99
Pneumonia/Influenza (excluding hypostatic)	J10-J181, J188, J189
Chronic Pulmonary Disease	J40-J44
Asthma	J45-J46
Diseases of the digestive system	K00-K93
Diseases of liver	K70-K76
Chronic liver disease/cirrhosis	K70, K73-74, K760-K761
Diseases of the skin and subcutaneous tissue	L00-L99
Diseases of the musculoskeletal system and connective tissue	M00-M99

Diseases of the genitourinary system	N00-N99
Complications of pregnancy, childbirth, and the puerperium	O00-O99
Certain conditions originating in the perinatal period	P00-P96
Congenital malformations and chromosome abnormalities	Q00-Q99
Symptoms, signs and abnormal findings, unknown causes	R00-R99
Sudden infant death syndrome (SIDS)	R95
Cause of death unknown or pending	R96-R99
External causes	V01-Y98
Motor vehicle accidents	V02-V04, V09, V12-V14, V190-V196, V20-V79, V803-V805, V820-V821, V823-V890, V899, Y850
Other transport accidents	V01, V05-V06, V10-V11, V15-V18, V198-V199, V800-V802, V806-V809, V812-V819, V822-V829, V891, V893, V91, V93-V99, Y859
Unintentional drowning (including water transport)	V90, V92, W65-W74
Unintentional falls	W00-W19
Exposure to smoke, fire and flames	X00-X09
Unintentional poisoning	X40-X49
Suicide	X60-X84, Y870
Homicide	X85-Y09, Y871

APPENDIX 2
DETAILED CAUSE OF DEATH BY GENDER AND AGE
BRITISH COLUMBIA, 2010

ICD-10	Cause of Death	Gender	Age of Deceased (in Years) <1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	Total
A04	Other bacterial intestinal infections	M	-	-	-	-	-	-	-	2	9	20	31
		F	-	-	-	-	-	-	-	2	10	29	41
A08	Viral and other specified intestinal infections	M	-	-	-	-	-	-	-	1	1	3	5
		F	-	-	-	-	-	-	-	-	1	8	9
A09	Diarrhoea and gastroenteritis of presumed infectious origin	M	1	-	-	-	-	-	-	-	6	14	21
		F	-	-	-	-	-	-	-	-	5	22	27
A16	Respiratory tuberculosis	M	-	-	-	-	-	-	-	1	2	1	4
		F	-	-	-	-	-	-	-	1	-	1	2
A32	Listeriosis	M	-	-	-	-	-	-	-	-	1	3	4
		F	-	-	-	-	-	-	-	-	-	1	1
A40	Streptococcal septicemia	M	-	-	-	-	-	-	1	-	-	1	2
		F	-	-	-	-	-	-	-	2	1	-	3
A41	Other septicemia	M	1	-	-	-	-	-	2	11	20	55	89
		F	-	-	-	-	-	-	-	4	16	53	73
A49	Bacterial infection of unspecified site	M	-	-	-	-	-	-	-	1	1	1	3
		F	-	-	-	-	-	-	-	1	-	3	4
A81	Atypical virus infections of central nervous system	M	-	-	-	-	-	-	-	1	1	-	2
		F	-	-	-	-	-	-	-	1	2	-	3
B02	Zoster [herpes zoster]	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	1	5	6
B18	Chronic viral hepatitis	M	-	-	-	-	-	-	4	47	17	6	74
		F	-	-	-	-	-	-	4	25	7	3	39
B20	HIV resulting in infectious and parasitic diseases	M	-	-	-	-	-	-	6	12	1	-	19
		F	-	-	-	-	-	-	2	3	-	-	5
B21	HIV resulting in malignant neoplasms	M	-	-	-	-	-	-	1	7	-	-	8
		F	-	-	-	-	-	-	-	-	-	-	-
B22	HIV resulting in other specified diseases	M	-	-	-	-	-	-	1	4	-	-	5
		F	-	-	-	-	-	-	1	3	-	-	4
B23	HIV disease resulting in other conditions	M	-	-	-	-	-	-	1	5	-	-	6
		F	-	-	-	-	-	-	-	2	-	-	2
B24	Unspecified HIV disease	M	-	-	-	-	-	-	-	2	2	-	4
		F	-	-	-	-	1	-	-	1	-	-	2
B34	Viral infection of unspecified site	M	-	-	-	-	-	-	-	-	-	3	3
		F	-	-	-	-	-	-	-	-	-	2	2
B91	Post polio syndrome	M	-	-	-	-	-	-	-	-	1	3	4
		F	-	-	-	-	-	-	-	-	-	2	2
B94	Sequelae of other and unspecified infectious and parasitic diseases	M	-	-	-	-	-	-	-	-	1	3	4
		F	-	-	-	-	-	-	-	1	1	1	3
C02	Malignant neoplasm of other and unspecified parts of tongue	M	-	-	-	-	-	-	1	19	10	4	-
		F	-	-	-	-	-	1	1	3	3	5	13
C06	Malignant neoplasm of other and unspecified parts of mouth	M	-	-	-	-	-	-	-	3	2	2	7
		F	-	-	-	-	-	-	-	2	1	3	6
C09	Malignant neoplasm of tonsil	M	-	-	-	-	-	-	-	4	5	-	9
		F	-	-	-	-	-	-	-	-	-	-	-
C10	Malignant neoplasm of oropharynx	M	-	-	-	-	-	-	-	1	-	1	3
		F	-	-	-	-	-	-	-	2	3	1	6
C11	Malignant neoplasm of nasopharynx	M	-	-	-	-	-	-	3	8	3	3	17
		F	-	-	-	-	-	1	-	1	1	-	5
C14	Malig. neoplasm of other & ill-defined sites in the lip, oral cavity and pharynx	M	-	-	-	-	-	-	-	8	4	1	13
		F	-	-	-	-	-	-	-	5	2	1	8
C15	Malignant neoplasm of esophagus	M	-	-	-	-	-	-	2	61	99	45	208
		F	-	-	-	-	-	-	-	21	16	23	60
C16	Malignant neoplasm of stomach	M	-	-	-	-	-	-	6	27	51	43	127
		F	-	-	-	-	-	-	2	14	26	29	71
C17	Malignant neoplasm of small intestine	M	-	-	-	-	-	-	-	1	10	5	16
		F	-	-	-	-	-	-	-	4	5	6	15
C18	Malignant neoplasm of colon	M	-	-	-	-	-	-	7	87	166	-	377
		F	-	-	-	-	-	-	7	72	128	163	370
C19	Malignant neoplasm of rectosigmoid junction	M	-	-	-	-	-	-	1	18	17	12	48
		F	-	-	-	-	-	-	2	7	18	13	40
C20	Malignant neoplasm of rectum	M	-	-	-	-	-	-	3	32	39	26	100
		F	-	-	-	-	-	-	-	11	24	17	52

Notes are included at end of Appendix 2.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2010

ICD-10	Cause of Death	Gender	Age of Deceased (in Years) <1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	Total
C21	Malignant neoplasm of anus and anal canal	M	-	-	-	-	-	-	1	3	1	-	5
		F	-	-	-	-	-	-	-	4	5	3	12
C22	Malignant neoplasm of liver and intrahepatic bile ducts	M	-	-	-	-	-	-	7	75	77	52	211
		F	-	-	1	-	-	-	1	21	38	31	92
C23	Malignant neoplasm of gallbladder	M	-	-	-	-	-	-	1	1	4	6	12
		F	-	-	-	-	-	-	-	6	15	10	31
C24	Malignant neoplasm of other and unspecified parts of biliary tract	M	-	-	-	-	-	-	1	3	6	5	15
		F	-	-	-	-	-	-	-	-	6	7	13
C25	Malignant neoplasm of pancreas	M	-	-	-	-	-	-	7	80	110	85	282
		F	-	-	-	-	-	-	-	67	85	99	252
C26	Malignant neoplasm of other and ill-defined digestive organs	M	-	-	-	-	-	-	-	10	19	32	61
		F	-	-	-	-	-	-	1	7	22	46	76
C31	Malignant neoplasm of accessory sinuses	M	-	-	-	-	-	-	-	2	1	-	3
		F	-	-	-	-	-	-	-	1	2	-	3
C32	Malignant neoplasm of larynx	M	-	-	-	-	-	-	-	8	14	5	27
		F	-	-	-	-	-	-	-	3	1	3	7
C34	Malignant neoplasm of bronchus and lung	M	-	1	-	-	-	-	10	300	575	321	1,207
		F	-	-	-	-	-	-	9	290	514	330	1,143
C37	Malignant neoplasm of thymus	M	-	-	-	-	-	-	1	1	1	2	5
		F	-	-	-	-	-	-	-	-	-	-	-
C38	Malignant neoplasm of heart, mediastinum and pleura	M	-	-	-	-	-	-	-	1	2	2	5
		F	-	-	-	-	-	-	-	-	2	-	2
C41	Malig. neoplasm of bone & articular cartilage of other & unspecified sites	M	-	-	-	-	-	1	1	4	4	4	14
		F	-	-	-	-	2	1	1	5	1	2	12
C43	Malignant melanoma of skin	M	-	-	-	-	-	-	-	31	44	16	91
		F	-	-	-	-	-	-	5	14	13	13	45
C44	Other malignant neoplasms of skin	M	-	-	-	-	-	-	-	8	13	15	36
		F	-	-	-	-	-	-	-	-	5	11	16
C45	Mesothelioma	M	-	-	-	-	-	-	-	13	24	24	61
		F	-	-	-	-	-	-	1	2	6	2	11
C48	Malignant neoplasm of peritoneum & retro-peritoneum	M	-	-	-	-	-	-	1	2	3	-	6
		F	-	-	-	-	-	-	-	2	8	3	13
C49	Malignant neoplasm of other connective and soft tissue	M	-	-	-	1	1	-	3	7	10	7	29
		F	-	-	-	-	1	1	1	7	7	9	26
C50	Malignant neoplasm of breast	M	-	-	-	-	-	-	-	1	3	1	6
		F	-	-	-	-	-	-	29	212	189	170	500
C51	Malignant neoplasm of vulva	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	5	10	8	23
C53	Malignant neoplasm of cervix uteri	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	8	17	16	8	49
C54	Malignant neoplasm of corpus uteri	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	31	24	20	75
C55	Malignant neoplasm of uterus, part unspecified	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	15	16	18	49
C56	Malignant neoplasm of ovary	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	1	8	77	103	71	260
C57	Malignant neoplasm of other and unspecified female genital organs	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	5	3	-	8
C61	Malignant neoplasm of prostate	M	-	-	-	-	-	-	-	31	210	312	553
		F	-	-	-	-	-	-	-	-	-	-	-
C62	Malignant neoplasm of testis	M	-	-	-	-	-	-	1	3	1	2	7
		F	-	-	-	-	-	-	-	-	-	-	-
C64	Malignant neoplasm of kidney, except renal pelvis	M	-	-	-	-	-	-	3	30	46	41	120
		F	-	-	-	-	-	-	-	19	21	26	66
C66	Malignant neoplasm of ureter	M	-	-	-	-	-	-	-	-	4	3	7
		F	-	-	-	-	-	-	-	1	1	2	4
C67	Malignant neoplasm of bladder	M	-	-	-	-	-	-	2	21	75	106	204
		F	-	-	-	-	-	-	-	8	23	46	77
C68	Malignant neoplasm of other and unspecified urinary organs	M	-	-	-	-	-	-	-	1	5	1	7
		F	-	-	-	-	-	-	-	-	2	-	2
C70	Malignant neoplasm of meninges	M	-	-	-	-	-	-	-	-	2	-	2
		F	-	-	-	-	-	-	-	-	1	2	3

Notes are included at end of Appendix 2.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2010

ICD-10	Cause of Death	Gender	Age of Deceased (in Years)										Total
			<1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	
C71	Malignant neoplasm of brain	M	-	-	2	2	-	-	10	60	47	18	139
		F	1	1	1	-	-	3	11	45	27	28	117
C73	Malignant neoplasm of thyroid gland	M	-	-	-	-	-	-	1	3	3	2	9
		F	-	-	-	-	-	-	-	6	8	8	22
C74	Malignant neoplasm of adrenal gland	M	-	1	-	-	1	-	1	1	1	-	5
		F	1	-	-	-	-	-	1	1	-	1	4
C76	Malignant neoplasm of other and ill-defined sites	M	-	-	-	-	-	-	1	3	11	9	24
		F	-	-	-	-	-	-	2	3	8	15	28
C80	Malignant neoplasm - primary site unknown	M	-	-	-	-	-	-	2	24	51	59	136
		F	-	-	-	-	-	-	-	19	40	90	149
C81	Hodgkin's disease	M	-	-	-	-	-	-	4	1	3	1	9
		F	-	-	-	-	-	-	1	-	-	2	3
C82	Follicular [nodular] non-Hodgkin's lymphoma	M	-	-	-	-	-	-	-	1	-	3	4
		F	-	-	-	-	-	-	-	-	3	1	4
C83	Diffuse non-Hodgkin's lymphoma	M	-	-	-	1	-	-	1	8	14	10	34
		F	-	-	-	-	-	-	-	4	11	10	25
C84	Peripheral and cutaneous T-cell lymphomas	M	-	-	-	-	-	-	-	1	2	1	4
		F	-	-	-	-	-	-	1	4	4	1	10
C85	Other and unspecified types of non-Hodgkin's lymphoma	M	-	-	-	-	-	-	4	37	53	58	152
		F	-	-	-	-	-	-	1	19	49	50	119
C88	Malignant immunoproliferative diseases	M	-	-	-	-	-	-	-	-	1	2	3
		F	-	-	-	-	-	-	-	1	-	1	2
C90	Multiple myeloma and malignant plasma cell neoplasms	M	-	-	-	-	-	-	-	18	43	24	85
		F	-	-	-	-	-	-	-	12	35	35	82
C91	Lymphoid leukemia	M	-	-	-	-	-	-	2	13	25	24	64
		F	-	-	1	-	-	2	1	-	10	17	31
C92	Myeloid leukemia	M	-	-	-	-	-	-	1	25	39	29	94
		F	-	-	-	-	2	-	5	19	24	26	76
C95	Leukemia of unspecified cell type	M	-	-	-	-	1	-	3	3	18	7	32
		F	-	-	-	-	-	-	-	3	12	25	40
D32	Benign neoplasm of meninges	M	-	-	-	-	-	-	-	-	5	2	7
		F	-	-	-	-	-	-	-	-	1	4	5
D43	Neoplasm of uncer./unk. behaviour of brain & central nervous system	M	-	-	-	-	-	-	-	-	-	7	7
		F	-	-	-	-	-	-	1	1	2	7	11
D46	Myelodysplastic syndromes	M	-	-	1	-	-	-	-	-	16	23	40
		F	-	-	-	-	-	-	-	2	8	19	29
D47	Neoplasm of uncer./unk. behaviour of lymphoid, hematopoietic and rel. tissue	M	-	-	-	-	-	-	-	1	7	9	17
		F	-	-	-	-	-	-	-	-	4	7	11
D48	Neoplasm of uncer./unk. behaviour of other and unspecified sites	M	-	-	-	-	-	-	-	-	1	-	1
		F	-	-	-	-	-	-	-	1	1	4	6
D61	Other aplastic anemias	M	-	-	-	-	-	-	-	-	1	3	4
		F	-	-	-	-	-	-	-	-	2	5	7
D64	Other anemias	M	-	-	-	-	-	-	-	1	1	10	12
		F	-	-	-	-	-	-	-	1	2	18	21
D68	Other coagulation defects	M	-	-	-	-	-	-	-	-	2	1	3
		F	-	-	-	-	-	-	-	1	-	2	3
D69	Purpura and other hemorrhagic conditions	M	-	-	-	-	-	-	-	1	1	6	8
		F	-	-	-	-	-	-	-	-	2	3	5
D70	Agranulocytosis	M	-	-	-	-	-	-	-	-	-	2	2
		F	-	-	-	-	-	-	-	-	-	3	3
D86	Sarcoidosis	M	-	-	-	-	-	-	-	3	1	1	5
		F	-	-	-	-	-	-	-	1	3	-	4
E03	Other hypothyroidism	M	-	-	-	-	-	-	-	-	1	2	3
		F	-	-	-	-	-	-	-	-	4	5	9
E10	Insulin-dependent diabetes mellitus	M	-	-	-	-	-	-	3	9	7	12	31
		F	-	-	-	-	-	-	-	7	10	16	33
E11	Non-insulin-dependent diabetes mellitus	M	-	-	-	-	-	-	1	18	54	61	134
		F	-	-	-	-	-	-	1	13	27	88	129
E14	Diabetes mellitus NOS	M	-	-	-	-	-	-	6	63	162	176	407
		F	-	-	-	-	-	-	5	24	90	195	314
E46	Unspecified protein-energy malnutrition	M	-	-	-	-	-	-	-	-	2	3	5
		F	-	-	-	-	-	-	-	2	-	5	7

Notes are included at end of Appendix 2.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2010

ICD-10	Cause of Death	Gender	Age of Deceased (in Years)										Total
			<1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	
E66	Obesity	M	-	-	-	-	-	-	4	8	7	1	20
		F	-	-	-	-	-	-	1	5	3	2	11
E78	Disorders of lipoprotein metabolism and other lipidemias	M	-	-	-	-	-	-	2	9	15	12	38
		F	-	-	-	-	-	-	-	2	6	14	22
E83	Disorders of mineral metabolism	M	-	-	-	-	-	-	-	-	3	1	4
		F	-	-	-	-	-	-	-	-	-	2	2
E84	Cystic fibrosis	M	-	-	-	-	1	1	2	-	-	-	4
		F	-	-	-	-	-	-	1	-	1	-	2
E85	Amyloidosis	M	-	-	-	-	-	-	-	4	9	3	16
		F	-	-	-	-	-	-	-	1	7	2	10
E86	Volume depletion	M	-	-	-	-	-	-	-	-	2	10	12
		F	-	-	-	-	-	-	-	-	1	34	35
E87	Other disorders of fluid, electrolyte and acid-base balance	M	-	-	-	-	-	-	-	-	2	2	4
		F	-	-	-	-	-	-	1	3	1	12	17
E88	Other metabolic disorders	M	-	-	-	-	-	-	-	1	3	3	7
		F	-	1	1	-	-	-	1	1	-	8	12
F03	Unspecified dementia	M	-	-	-	-	-	-	-	7	71	302	380
		F	-	-	-	-	-	-	-	2	70	683	755
F05	Delirium, not induced by alcohol and other psychoactive substances	M	-	-	-	-	-	-	-	1	2	9	12
		F	-	-	-	-	-	-	-	-	1	10	11
F10	Mental and behavioural disorders due to use of alcohol	M	-	-	-	-	-	-	4	30	36	4	74
		F	-	-	-	-	-	-	-	4	5	4	13
F14	Use of cocaine	M	-	-	-	-	-	-	-	3	-	-	3
		F	-	-	-	-	-	-	-	1	-	1	2
F19	Multiple drug misuse and misuse of other psychoactive substances	M	-	-	-	-	-	-	1	3	1	-	5
		F	-	-	-	-	-	-	-	-	-	-	-
F32	Depressive episode	M	-	-	-	-	-	-	-	-	2	5	7
		F	-	-	-	-	-	-	-	-	4	3	7
G00	Bacterial meningitis, NEC	M	1	-	-	-	-	-	-	2	1	-	4
		F	-	-	-	-	-	-	-	-	1	1	2
G10	Huntington's disease	M	-	-	-	-	-	-	-	2	2	-	4
		F	-	-	-	-	1	-	1	4	1	-	7
G12	Spinal muscular atrophy and related syndromes	M	-	-	-	-	-	-	2	27	32	11	72
		F	1	-	-	-	-	-	1	11	25	10	48
G20	Parkinson's disease	M	-	-	-	-	-	-	-	2	61	112	175
		F	-	-	-	-	-	-	-	3	15	71	89
G23	Other degenerative diseases of basal ganglia	M	-	-	-	-	-	-	-	1	-	2	3
		F	-	-	-	-	-	-	-	1	1	-	2
G30	Alzheimer's disease	M	-	-	-	-	-	-	-	4	37	176	217
		F	-	-	-	-	-	-	-	9	40	371	420
G31	Other degenerative diseases of nervous system, NEC	M	-	-	-	-	-	-	1	5	25	12	43
		F	-	-	1	-	-	-	1	3	12	19	36
G35	Multiple sclerosis	M	-	-	-	-	-	-	-	11	6	2	19
		F	-	-	-	-	-	-	-	23	10	4	37
G40	Epilepsy	M	-	-	-	-	1	-	5	1	-	1	8
		F	-	-	-	-	-	1	2	-	1	3	7
G41	Status epilepticus	M	-	-	-	-	1	-	-	3	-	-	4
		F	-	-	-	-	-	-	-	1	-	1	2
G45	Transient cerebral ischemic attacks and related syndromes	M	-	-	-	-	-	-	-	-	-	3	3
		F	-	-	-	-	-	-	-	-	-	3	3
G70	Other myoneural disorders	M	-	-	-	-	-	-	-	-	3	3	6
		F	-	-	-	-	-	-	-	-	1	1	2
G71	Primary disorders of muscles	M	-	-	-	-	1	1	1	2	-	-	5
		F	-	-	-	-	-	-	1	4	1	-	6
G80	Infantile cerebral palsy	M	-	-	-	1	2	1	1	-	-	-	5
		F	-	-	-	-	1	-	3	6	1	-	11
G93	Other disorders of brain	M	-	-	-	-	1	-	-	5	6	4	16
		F	-	-	-	-	-	-	1	4	2	3	10
I05	Rheumatic mitral valve diseases	M	-	-	-	-	-	-	-	1	1	8	10
		F	-	-	-	-	-	-	-	3	3	9	15
I07	Rheumatic tricuspid valve diseases	M	-	-	-	-	-	-	-	1	2	1	4
		F	-	-	-	-	-	-	1	-	4	3	8

Notes are included at end of Appendix 2.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2010

ICD-10	Cause of Death	Gender	Age of Deceased (in Years) <1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	Total
I08	Multiple valve diseases	M	-	-	-	-	-	-	-	1	7	5	13
		F	-	-	-	-	-	-	1	1	3	16	21
I09	Other rheumatic heart diseases	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	1	-	2	3	6
I10	Essential (primary) hypertension	M	-	-	-	-	-	-	-	4	2	22	28
		F	-	-	-	-	-	-	-	1	12	53	66
I11	Hypertensive heart disease	M	-	-	-	-	-	-	2	14	12	22	50
		F	-	-	-	-	-	-	-	5	6	59	70
I12	Hypertensive renal disease	M	-	-	-	-	-	-	-	2	16	41	59
		F	-	-	-	-	-	-	-	-	14	74	88
I13	Hypertensive heart and renal disease	M	-	-	-	-	-	-	-	-	2	7	9
		F	-	-	-	-	-	-	-	-	3	13	16
I20	Angina pectoris	M	-	-	-	-	-	-	-	1	2	-	3
		F	-	-	-	-	-	-	-	-	-	5	5
I21	Acute MI	M	-	-	-	-	-	-	9	214	317	450	990
		F	-	-	-	-	-	-	2	53	157	540	752
I24	Other acute ischemic heart diseases	M	-	-	-	-	-	-	2	4	14	21	41
		F	-	-	-	-	-	-	-	1	6	31	38
I25	Chronic ischemic heart disease	M	-	-	-	-	-	-	27	237	405	682	1,351
		F	-	-	-	-	-	-	3	37	160	740	940
I26	Pulmonary embolism	M	-	-	-	-	-	-	3	9	12	12	36
		F	-	-	-	-	-	1	1	10	15	21	48
I27	Other pulmonary heart diseases	M	-	-	-	-	-	-	1	3	6	7	17
		F	-	-	-	-	-	-	3	3	6	8	20
I31	Other diseases of pericardium	M	-	-	-	-	-	-	-	1	-	-	1
		F	-	-	-	-	-	-	-	-	3	2	5
I33	Acute and subacute endocarditis	M	-	-	-	-	-	-	-	1	2	3	6
		F	-	-	-	-	-	-	1	3	3	-	7
I34	Nonrheumatic mitral valve disorders	M	-	-	-	-	-	-	-	1	1	6	8
		F	-	-	-	-	-	-	-	2	9	18	29
I35	Nonrheumatic aortic valve disorders	M	-	-	-	-	-	-	-	2	18	63	83
		F	-	-	-	-	-	-	-	2	17	91	110
I38	Endocarditis	M	-	-	-	-	-	-	-	-	9	16	25
		F	-	-	-	-	-	-	1	5	10	34	50
I42	Cardiomyopathy	M	-	-	-	-	-	1	7	29	37	28	102
		F	-	-	-	-	-	-	4	9	18	21	52
I44	Atrioventricular and left bundle-branch block	M	-	-	-	-	-	-	-	-	1	5	6
		F	-	-	-	-	-	-	-	-	-	2	2
I45	Other conduction disorders	M	-	-	-	-	-	-	-	2	-	7	9
		F	-	-	-	-	-	-	1	1	2	5	9
I46	Cardiac arrest	M	-	-	-	-	-	-	-	5	5	9	19
		F	-	-	-	-	-	-	-	3	5	15	23
I48	Atrial fibrillation and flutter	M	-	-	-	-	-	-	-	9	32	78	119
		F	-	-	-	-	-	-	-	4	25	178	207
I49	Other cardiac arrhythmias	M	-	-	-	-	-	-	-	-	11	16	27
		F	-	-	-	-	-	-	-	6	7	34	47
I50	Heart failure	M	-	-	-	-	-	-	1	7	54	232	294
		F	-	-	-	-	-	-	1	7	41	358	407
I51	Complications and ill-defined descriptions of heart disease	M	-	-	-	-	-	-	1	11	9	20	41
		F	-	-	-	-	-	-	-	1	6	35	42
I60	Subarachnoid hemorrhage	M	-	-	-	-	-	-	5	21	9	4	39
		F	-	-	-	-	-	-	6	24	22	22	74
I61	Intracerebral hemorrhage	M	-	-	-	-	-	1	3	25	24	39	92
		F	-	-	-	-	-	-	-	10	31	79	120
I62	Other nontraumatic intracranial hemorrhage	M	-	-	-	-	-	1	1	9	19	35	65
		F	-	-	-	-	-	-	-	7	15	31	53
I63	Cerebral infarction	M	-	-	-	-	-	-	-	6	12	33	51
		F	-	-	-	-	-	-	-	3	11	49	63
I64	CVA, NOS	M	-	-	-	-	-	-	1	32	154	358	545
		F	-	-	-	-	-	1	1	14	116	652	784
I67	Other cerebrovascular diseases	M	-	-	-	-	-	-	-	2	13	67	82
		F	-	-	-	-	-	-	-	1	11	133	145

Notes are included at end of Appendix 2.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2010

ICD-10	Cause of Death	Gender	Age of Deceased (in Years)										Total
			<1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	
I69	Sequelae of cerebrovascular disease	M	-	-	-	-	-	-	-	4	11	38	53
		F	-	-	-	-	-	-	-	2	18	40	60
I70	Atherosclerosis	M	-	-	-	-	-	-	-	2	5	14	21
		F	-	-	-	-	-	-	1	1	4	48	54
I71	Aortic aneurysm and dissection	M	-	-	-	-	-	-	2	18	44	39	103
		F	-	-	-	1	-	-	1	8	21	37	68
I72	Other aneurysm	M	-	-	-	-	-	-	-	-	-	5	5
		F	-	-	-	-	-	-	-	1	-	3	4
I73	Other peripheral vascular diseases	M	-	-	-	-	-	-	-	4	14	30	48
		F	-	-	-	-	-	-	-	1	7	39	47
I74	Arterial embolism and thrombosis	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	1	1	2	4	8
I77	Other disorders of arteries and arterioles	M	-	-	-	-	-	-	-	1	2	1	4
		F	-	-	-	-	-	-	-	-	5	3	8
I80	Phlebitis and thrombophlebitis	M	-	-	-	-	-	-	3	3	4	8	18
		F	-	-	-	-	-	-	-	1	3	8	12
J11	Influenza, virus not identified	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	5	5
J12	Viral pneumonia, NEC	M	-	-	-	-	-	-	-	-	1	-	1
		F	-	-	-	-	-	-	-	1	-	3	4
J15	Bacterial pneumonia, NEC	M	-	-	-	-	-	-	-	6	3	2	11
		F	-	-	-	-	-	-	1	3	3	2	9
J18	Pneumonia, organism unspecified	M	-	-	-	1	1	-	3	44	82	359	490
		F	-	-	-	-	-	-	5	23	59	454	541
J40	Bronchitis, not specified as acute or chronic	M	-	-	-	-	-	-	-	1	-	2	3
		F	-	-	-	-	-	-	-	-	-	2	2
J42	Unspecified chronic bronchitis	M	-	-	-	-	-	-	-	-	-	3	3
		F	-	-	-	-	-	-	-	1	-	3	4
J43	Emphysema	M	-	-	-	-	-	-	-	9	18	23	50
		F	-	-	-	-	-	-	-	6	18	22	46
J44	Other chronic obstructive pulmonary disease	M	-	-	-	-	-	-	1	61	240	367	669
		F	-	-	-	-	-	-	-	34	224	380	638
J45	Asthma	M	-	-	-	-	-	-	1	1	1	7	10
		F	-	-	1	-	-	-	-	3	4	13	21
J47	Bronchiectasis	M	-	-	-	-	-	-	-	2	2	3	7
		F	-	-	-	-	-	-	-	-	6	10	16
J61	Pneumoconiosis due to asbestos and other mineral fibres	M	-	-	-	-	-	-	-	-	1	8	9
		F	-	-	-	-	-	-	-	-	-	-	-
J69	Aspiration pneumonia due to solids and liquids	M	-	-	-	-	-	-	-	12	24	108	144
		F	-	-	-	-	-	-	1	8	14	80	101
J80	Adult respiratory distress syndrome	M	-	-	-	-	-	-	-	1	2	-	3
		F	-	-	-	-	-	-	-	-	1	1	2
J84	Other interstitial pulmonary diseases	M	-	-	-	-	-	-	1	17	63	62	143
		F	-	-	-	-	-	-	3	10	34	59	106
J86	Pyothorax	M	-	-	-	-	-	-	-	2	2	-	4
		F	-	-	-	-	-	-	-	-	-	1	1
J98	Other respiratory disorders	M	-	-	-	-	-	-	-	4	3	15	22
		F	-	-	-	-	-	-	1	2	-	18	21
K20	Oesophagitis	M	-	-	-	-	-	-	-	-	1	4	5
		F	-	-	-	-	-	-	-	-	-	-	-
K21	Gastro-esophageal reflux disease	M	-	-	-	-	-	-	-	1	1	7	9
		F	-	-	-	-	-	-	-	-	1	6	7
K21	Gastro-esophageal reflux disease	M	-	-	-	-	-	-	-	1	1	10	12
		F	-	-	-	-	-	-	-	1	-	6	7
K22	Other diseases of esophagus	M	-	-	-	-	-	-	-	1	5	7	13
		F	-	-	-	-	-	-	-	-	1	6	7
K25	Gastric ulcer	M	-	-	-	-	-	-	1	2	4	2	9
		F	-	-	-	-	-	-	1	-	6	1	8
K26	Duodenal ulcer	M	-	-	-	-	-	-	-	2	3	3	8
		F	-	-	-	-	-	-	-	3	2	6	11
K27	Peptic ulcer	M	-	-	-	-	-	-	-	-	2	7	9
		F	-	-	-	-	-	-	-	-	2	2	4

Notes are included at end of Appendix 2.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2010

ICD-10	Cause of Death	Gender	Age of Deceased (in Years) <1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	Total
K29	Gastritis and duodenitis	M	-	-	-	-	-	-	1	-	-	5	6
		F	-	-	-	-	-	-	-	-	-	2	2
K40	Inguinal hernia	M	-	-	-	-	-	-	-	-	2	4	6
		F	-	-	-	-	-	-	-	-	-	-	-
K43	Ventral hernia	M	-	-	-	-	-	-	1	1	-	-	2
		F	-	-	-	-	-	-	-	1	1	1	3
K44	Diaphragmatic hernia	M	-	-	-	-	-	-	-	1	2	-	3
		F	-	-	-	-	-	-	-	-	1	6	7
K46	Unspecified abdominal hernia	M	-	1	-	-	-	-	-	-	2	2	5
		F	-	-	-	-	-	-	-	1	-	2	3
K50	Crohn's disease	M	-	-	-	-	-	-	-	1	3	1	5
		F	-	-	-	-	-	-	1	1	2	4	8
K51	Ulcerative colitis	M	-	-	-	-	-	-	1	2	2	4	9
		F	-	-	-	-	-	-	1	1	1	1	4
K52	Other noninfective gastroenteritis and colitis	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	-	-	4	4
K55	Vascular disorders of intestine	M	-	-	-	-	-	-	-	5	21	27	53
		F	-	-	-	-	-	-	2	8	19	53	82
K56	Paralytic ileus and intestinal obstruction without hernia	M	-	-	-	-	-	-	-	4	13	46	63
		F	-	-	-	-	-	-	1	1	12	47	61
K57	Diverticular disease of intestine	M	-	-	-	-	-	-	-	2	5	8	15
		F	-	-	-	-	-	-	-	1	7	38	46
K59	Other functional intestinal disorders	M	-	-	-	-	-	-	-	2	-	1	3
		F	-	-	-	-	-	-	-	2	1	-	3
K63	Other diseases of intestine	M	-	-	-	-	-	-	-	3	8	9	20
		F	-	-	-	-	-	-	-	-	8	12	18
K65	Peritonitis	M	-	-	-	-	-	-	-	1	1	1	3
		F	-	-	-	-	-	-	-	2	3	3	8
K66	Other disorders of peritoneum	M	-	-	-	-	-	-	-	-	3	1	4
		F	-	-	-	-	-	-	-	2	-	2	4
K70	Alcoholic liver disease	M	-	-	-	-	-	1	18	110	57	18	204
		F	-	-	-	-	-	-	13	38	26	3	80
K72	Hepatic failure	M	-	-	-	-	-	-	-	3	2	3	8
		F	-	-	-	-	-	-	-	4	3	3	10
K74	Fibrosis and cirrhosis of liver	M	-	-	-	-	-	-	-	9	15	9	33
		F	-	-	-	-	-	1	-	9	11	11	32
K75	Other inflammatory liver diseases	M	-	-	-	-	-	-	-	2	1	2	5
		F	-	-	-	-	-	-	-	3	7	2	12
K76	Other diseases of liver	M	-	-	-	-	-	-	1	2	7	1	11
		F	-	-	-	-	-	-	-	1	4	1	6
K80	Cholelithiasis	M	-	-	-	-	-	1	-	1	2	1	5
		F	-	-	-	-	-	-	-	-	1	6	7
K81	Cholecystitis	M	-	-	-	-	-	-	-	3	2	3	8
		F	-	-	-	-	-	-	-	1	2	7	10
K83	Other diseases of biliary tract	M	-	-	-	-	-	-	-	3	3	6	12
		F	-	-	-	-	-	-	-	-	1	7	8
K85	Acute pancreatitis	M	-	-	-	-	-	-	4	4	3	6	17
		F	-	-	-	-	-	-	-	1	3	10	14
K86	Other diseases of pancreas	M	-	-	-	-	-	-	-	2	2	1	5
		F	-	-	-	-	-	-	-	-	-	2	2
K92	Other diseases of digestive system	M	-	-	-	-	-	-	1	8	13	44	66
		F	-	-	-	-	-	-	1	7	11	65	84
L03	Cellulitis	M	-	-	-	-	-	-	-	1	4	10	15
		F	-	-	-	-	-	-	-	1	2	11	14
L08	Other local infections of skin and subcutaneous tissue	M	-	-	-	-	-	-	-	-	-	2	2
		F	-	-	-	-	-	-	-	1	-	6	7
L89	Decubitus ulcer	M	-	-	-	-	-	-	-	1	3	4	8
		F	-	-	-	-	-	-	-	2	3	14	19
L98	Other disorders of skin and subcutaneous tissue, NEC	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	-	1	4	5
M06	Other rheumatoid arthritis	M	-	-	-	-	-	-	-	-	1	4	5
		F	-	-	-	-	-	-	-	1	9	10	20

Notes are included at end of Appendix 2.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2010

ICD-10	Cause of Death	Gender	Age of Deceased (in Years) <1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	Total
M13	Other arthritis	M	-	-	-	-	-	-	-	-	1	1	2
		F	-	-	-	-	-	-	-	1	-	5	6
M19	Other arthrosis	M	-	-	-	-	-	-	-	-	-	4	4
		F	-	-	-	-	-	-	-	-	1	12	13
M31	Other necrotizing vasculopathies	M	-	-	-	-	-	-	2	1	2	1	6
		F	-	-	-	-	-	-	-	1	2	2	5
M32	Systemic lupus erythematosus	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	1	4	3	6	14
M34	Systemic sclerosis	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	1	3	5	3	12
M46	Other inflammatory spondylopathies	M	-	-	-	-	-	-	-	-	-	5	5
		F	-	-	-	-	-	-	-	-	-	1	1
M60	Myositis	M	-	-	-	-	-	-	-	1	-	3	4
		F	-	-	-	-	-	-	-	-	1	3	4
M62	Other disorders of muscle	M	-	-	-	-	-	-	-	-	3	-	3
		F	-	-	-	-	-	-	-	-	-	2	2
M72	Fibroblastic disorders	M	-	-	-	-	-	-	-	2	2	2	6
		F	-	-	-	-	-	-	-	-	2	1	3
M80	Osteoporosis with pathological fracture	M	-	-	-	-	-	-	-	-	-	2	2
		F	-	-	-	-	-	-	-	-	1	4	5
M81	Osteoporosis w/o pathological fracture	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	11	11
M86	Osteomyelitis	M	-	-	-	-	-	-	1	2	-	1	4
		F	-	-	-	-	-	-	-	-	2	2	4
N02	Chronic haematuria	M	-	-	-	-	-	-	1	2	1	1	5
		F	-	-	-	-	-	-	-	-	-	-	-
N03	Chronic nephritic syndrome	M	-	-	-	-	-	-	-	-	3	12	15
		F	-	-	-	-	-	-	-	-	3	17	20
N05	Unspecified nephritic syndrome	M	-	-	-	-	-	-	-	2	-	2	4
		F	-	-	-	-	-	-	-	-	1	4	5
N12	Tubulo-interstitial nephritis, not specified as acute or chronic	M	-	-	-	-	-	-	-	-	1	2	3
		F	-	-	-	-	-	-	-	-	1	7	8
N13	Obstructive and reflux uropathy	M	-	-	-	-	-	-	1	1	-	5	7
		F	-	-	-	-	-	-	-	-	1	3	4
N17	Acute renal failure	M	-	-	-	-	-	-	-	1	5	18	24
		F	-	-	-	-	-	-	-	2	9	10	21
N18	Chronic renal failure	M	-	-	-	-	-	-	-	5	20	54	88
		F	-	-	-	-	-	-	1	4	19	67	91
N19	Unspecified renal failure	M	-	-	-	-	-	-	-	3	16	47	66
		F	-	-	-	-	-	-	-	6	9	52	67
N20	Calculus of kidney and ureter	M	-	-	-	-	-	-	-	1	1	-	2
		F	-	-	-	-	-	-	1	1	-	1	3
N28	Other disorders of kidney and ureter, NEC	M	-	-	-	-	-	-	-	1	1	2	4
		F	-	-	-	-	-	-	-	-	2	2	4
N30	Cystitis	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	-	2	7	9
N39	Other disorders of urinary system	M	-	-	-	-	-	-	-	5	24	61	90
		F	-	-	-	-	-	-	-	3	22	167	192
N40	Prostatic hypertrophy	M	-	-	-	-	-	-	-	-	3	11	14
		F	-	-	-	-	-	-	-	-	-	-	-
N42	Other disorders of prostate	M	-	-	-	-	-	-	-	-	2	4	6
		F	-	-	-	-	-	-	-	-	-	-	-
P01	Fetus and newborn affected by maternal complications of pregnancy	M	7	-	-	-	-	-	-	-	-	-	7
		F	7	-	-	-	-	-	-	-	-	-	7
P02	Fetus and newborn affected by compl. of placenta, cord and membranes	M	7	-	-	-	-	-	-	-	-	-	7
		F	10	-	-	-	-	-	-	-	-	-	10
P07	Disorders related to short gestation and low birth weight, NEC	M	14	-	-	-	-	-	-	-	-	-	14
		F	8	-	-	-	-	-	-	-	-	-	8
P21	Birth asphyxia	M	4	-	-	-	-	-	-	-	-	-	4
		F	2	-	-	-	-	-	-	-	-	-	2
P96	Other conditions originating in the perinatal period	M	3	-	-	-	-	-	-	-	-	-	3
		F	7	-	-	-	-	-	-	-	-	-	7

Notes are included at end of Appendix 2.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2010

ICD-10	Cause of Death	Gender	Age of Deceased (in Years) <1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	Total
Q21	Congenital malformations of cardiac septa	M	1	-	-	1	-	-	1	1	-	-	4
		F	1	-	-	-	-	-	-	-	-	1	2
Q24	Other congenital malformations of heart	M	1	-	1	-	-	-	1	-	1	-	4
		F	-	-	-	-	-	-	-	1	1	-	2
Q60	Renal agenesis and other reduction defects of kidney	M	2	-	-	-	-	-	-	-	1	-	3
		F	1	-	-	-	-	-	-	-	-	1	2
Q61	Cystic kidney disease	M	1	-	-	-	-	-	-	1	1	2	5
		F	-	-	-	-	-	-	-	-	1	3	4
Q90	Down's syndrome	M	-	-	-	-	-	-	-	5	-	-	5
		F	-	-	-	-	-	-	-	1	-	-	1
Q91	Edwards' syndrome and Patau's syndrome	M	1	-	-	-	-	-	-	-	-	-	1
		F	7	-	-	-	-	-	-	-	-	-	7
R09	Other symptoms and signs involving the circulatory and respiratory systems	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	-	1	6	7
R53	Malaise and fatigue	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	-	-	12	12
R54	Senility	M	-	-	-	-	-	-	-	-	1	9	10
		F	-	-	-	-	-	-	-	-	1	53	54
R62	Lack of expected normal physiological development	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	-	1	5	6
R68	Other general symptoms and signs	M	-	-	-	-	-	-	-	-	2	-	2
		F	-	-	-	-	-	-	-	-	-	5	5
R95	Sudden infant death syndrome	M	4	-	-	-	-	-	-	-	-	-	4
		F	1	-	-	-	-	-	-	-	-	-	1
R99	Other ill-defined and unspecified causes of mortality	M	12	1	1	10	17	20	140	217	99	56	573
		F	5	2	3	-	13	15	55	84	61	75	313
V03	Pedestrian injured in collision with car, pick-up truck or van	M	-	1	-	-	-	-	6	4	1	3	15
		F	-	1	-	-	1	2	2	1	4	3	14
V05	Pedestrian injured in collision with railway train or vehicle	M	-	-	-	1	-	-	1	1	-	1	4
		F	-	-	-	-	-	-	-	1	-	-	1
V23	Motorcycle rider injured in collision with car, pick-up truck or van	M	-	-	-	-	-	-	1	5	1	-	7
		F	-	-	-	-	-	-	-	1	-	-	1
V27	Motorcycle rider injured in collision with fixed or stationary object	M	-	-	-	-	-	-	1	3	-	-	4
		F	-	-	-	-	-	-	1	-	-	-	1
V43	Car occupant injured in collision with car, pick-up truck or van	M	-	1	-	-	3	1	3	6	4	2	20
		F	-	-	-	-	3	-	4	10	3	3	23
V44	Car occupant injured in collision with heavy transport vehicle or bus	M	-	-	-	-	1	-	2	2	-	1	6
		F	-	-	-	1	-	1	2	2	-	-	6
V47	Car occupant injured in collision with fixed or stationary object	M	-	-	-	-	4	3	7	2	2	-	18
		F	1	2	-	-	2	1	2	3	1	1	13
V48	Car occupant injured in noncollision transport	M	-	-	-	-	1	3	7	4	1	3	19
		F	-	-	-	-	3	1	3	3	-	-	10
V53	Occupant of pick-up truck or van injured in collision with car, pick-up truck or van	M	-	-	-	-	1	-	1	2	1	1	6
		F	-	-	-	-	-	-	1	1	-	-	2
V57	Occupant of pick-up truck or van injured in collision with fixed or stationary object	M	-	-	-	-	-	2	3	-	1	-	6
		F	-	-	-	-	-	-	-	-	-	-	-
V58	Occupant of pick-up truck or van injured in noncollision transport accident	M	-	-	-	-	1	5	4	6	-	1	17
		F	-	-	-	-	-	-	1	4	-	-	5
V86	Occupant of special A.T./other m.v. for off-road use, injured in transport accident	M	-	-	-	-	-	1	3	1	-	-	5
		F	-	-	-	-	-	-	1	-	-	-	1
V92	Water-transport-related drowning and submersion without to watercraft	M	-	-	-	-	-	-	2	3	-	-	5
		F	-	-	-	-	-	-	-	-	-	-	-
V95	Accident to powered aircraft causing injury to occupant	M	-	-	-	-	-	1	3	3	-	-	7
		F	-	-	-	-	-	-	-	-	-	-	-
W01	Fall on same level from slipping, tripping and stumbling	M	-	-	-	-	-	-	-	-	-	6	6
		F	-	-	-	-	-	-	-	-	1	7	8
W02	Fall involving ice-skates, skis, roller-skates or skateboards	M	-	-	-	-	-	1	3	-	1	-	5
		F	-	-	-	-	-	-	-	-	-	-	-
W05	Fall involving wheelchair	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	-	1	5	6
W06	Fall involving bed	M	-	-	-	-	-	-	-	-	3	11	14
		F	-	-	-	-	-	-	-	-	3	15	18

Notes are included at end of Appendix 2.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2010

ICD-10	Cause of Death	Gender	Age of Deceased (in Years)										Total
			<1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	
W07	Fall involving chair	M	-	-	-	-	-	-	-	-	1	1	2
		F	-	-	-	-	-	-	-	-	1	6	7
W10	Fall on and from stairs and steps	M	-	-	-	-	-	-	-	2	5	8	15
		F	-	-	-	-	-	-	1	2	2	8	13
W17	Other fall from one level to another	M	-	-	-	-	1	-	2	3	2	-	8
		F	-	-	-	-	-	-	-	-	-	1	1
W18	Other fall on same level	M	-	-	-	-	-	-	-	2	3	11	16
		F	-	-	-	-	-	-	-	-	2	22	24
W19	Unspecified fall	M	-	-	-	-	1	-	-	15	23	107	146
		F	-	-	-	-	-	-	1	3	26	151	182
W20	Struck by thrown, projected or falling object	M	-	-	1	-	-	-	1	2	1	-	5
		F	-	-	-	-	-	-	-	-	-	-	-
W69	Drowning and submersion while in natural water	M	-	-	-	-	1	2	3	2	1	-	9
		F	-	-	-	-	1	-	1	-	-	-	2
W79	Inhalation and ingestion of food causing obstruction of respiratory tract	M	-	-	-	-	-	-	-	2	2	1	5
		F	-	-	-	-	-	-	-	-	-	1	1
W80	Inhalation and ingestion of other objects causing obstruction of respiratory tract	M	-	-	-	-	-	-	-	1	-	5	6
		F	-	1	-	-	-	-	1	2	1	5	10
X00	Exposure to uncontrolled fire in building or structure	M	-	1	-	-	-	2	3	2	3	3	14
		F	-	-	-	-	-	1	1	1	1	1	5
X31	Exposure to excessive natural cold	M	-	-	-	-	-	1	2	1	-	1	5
		F	-	-	-	-	-	-	-	-	-	1	1
X40	Acc. poisoning by & exp. to nonopioid analgesics, antipyretics and antirheum.	M	-	-	-	-	-	-	-	-	3	-	3
		F	-	-	-	-	-	-	-	2	-	-	2
X41	Acc. poisoning by & exp. to antiepileptic, sed.-hypn., antipark. & psyc.drugs, NEC	M	-	-	-	-	1	-	4	4	-	1	10
		F	-	-	-	-	-	-	3	5	-	-	8
X42	Acc. poisoning by & exp. to narcotics & psychodysleptics [hallucin.], NEC	M	-	-	-	-	1	6	41	47	1	-	96
		F	-	-	-	-	1	1	22	12	-	-	36
X44	Acc. poisoning by & exp. to other & unspecified drugs, medic. & biolo. sub.	M	-	-	-	-	1	4	21	22	1	1	50
		F	-	-	-	-	1	1	8	18	1	1	30
X45	Accidental poisoning by and exposure to alcohol	M	-	-	-	-	-	1	9	6	-	-	16
		F	-	-	-	-	1	-	2	2	-	-	5
X59	Exposure to unspecified factor	M	-	-	-	-	-	-	-	-	-	2	2
		F	-	-	-	-	-	-	-	-	-	6	6
X61	Suicide by antiepileptic, sed-hypno, antiparkins & psychotropic drugs, NEC	M	-	-	-	-	-	-	4	5	3	1	13
		F	-	-	-	-	-	1	4	4	-	1	10
X62	Suicide by narcotics & psychodysleptics [hallucinogens], NEC	M	-	-	-	-	-	-	4	-	1	-	5
		F	-	-	-	-	-	-	-	2	1	1	4
X64	Suicide by other and unspecified drugs, medicaments & biological substances	M	-	-	-	-	-	-	11	12	2	1	26
		F	-	-	-	-	-	1	4	6	3	1	15
X67	Suicide by other gases and vapours	M	-	-	-	-	1	-	7	16	2	2	28
		F	-	-	-	-	-	-	-	1	-	-	1
X70	Suicide by hanging, strangulation and suffocation	M	-	-	-	-	12	21	54	55	14	8	164
		F	-	-	-	2	2	4	14	16	5	2	45
X71	Suicide by drowning and submersion	M	-	-	-	-	-	-	4	2	1	-	7
		F	-	-	-	-	-	-	1	2	-	-	3
X72	Suicide by handgun discharge	M	-	-	-	-	2	-	2	4	1	1	10
		F	-	-	-	-	-	-	-	-	1	-	1
X73	Suicide by rifle, shotgun and larger firearm discharge	M	-	-	-	-	1	1	4	9	5	1	21
		F	-	-	-	-	1	1	-	-	-	-	2
X74	Suicide by other and unspecified firearm discharge	M	-	-	-	1	3	-	6	15	9	3	37
		F	-	-	-	-	-	-	-	-	-	-	-
X78	Suicide by sharp object	M	-	-	-	-	-	-	3	4	-	-	7
		F	-	-	-	-	-	-	-	1	-	-	1
X80	Suicide by jumping from a high place	M	-	-	-	-	1	3	13	10	2	1	30
		F	-	-	-	-	-	-	3	2	1	-	6
X95	Assault by other and unspecified firearm discharge	M	-	-	-	-	2	1	12	4	-	-	19
		F	-	-	-	-	-	-	1	-	-	-	1
X99	Assault by sharp object	M	-	-	-	-	-	2	2	2	-	-	6
		F	-	-	-	-	1	-	-	-	-	-	1
Y11	Pois. by & expo. to antiepilep., sedative-hypnotic, antipark. & psyc. drugs, NEC	M	-	-	-	-	-	-	2	2	-	-	4
		F	-	-	-	-	-	-	1	-	-	-	1

Notes are included at end of Appendix 2.

APPENDIX 2 – *continued*

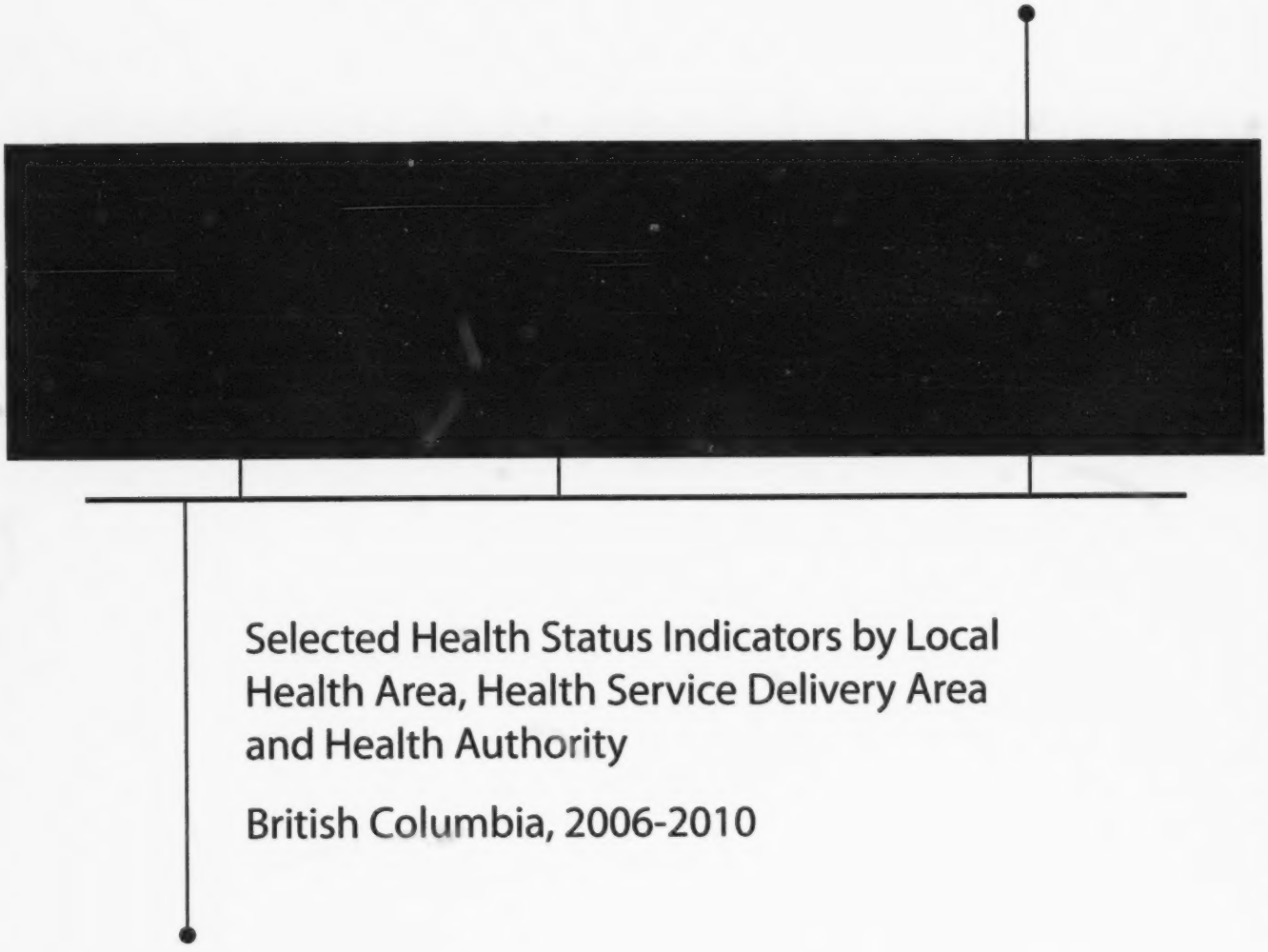
DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2010

ICD-10	Cause of Death	Gender	Age of Deceased (in Years) <1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	Total
Y14	Pois. by other & unspec. drugs, medic. & biol. subst., undetermined intent	M	-	-	-	-	-	-	-	1	-	-	1
		F	-	-	-	-	-	-	2	2	-	-	4
Y83	Surg. oper & othr. surg. proc. caus. abno. reaction or later compl., w/o misadventure	M	-	-	-	-	-	-	-	-	1	2	3
		F	-	-	-	-	-	-	-	1	-	1	2
Y85	Sequelae of transport accidents	M	-	-	-	-	-	-	1	5	2	1	10
		F	-	-	-	-	-	-	1	1	-	-	2
Y86	Sequelae of other accidents	M	-	-	-	-	-	-	-	3	2	2	7
		F	-	-	-	-	-	-	-	-	-	-	-
	All Causes of Death	M	90	11	8	19	70	103	892	3,084	4,926	6,897	15,900
		F	73	10	14	5	41	53	353	1,958	3,603	9,133	15,243

Note: The output from ICD-10 mortality coding and underlying cause of death selection was modified in British Columbia to reflect the intent of certifiers in this jurisdiction and to provide greater continuity over time. Data using the standard ICD-10 rules for such categories as pneumonia/influenza, diabetes, or cancer should not be compared to the numbers shown above.
Non-residents and unknown gender are excluded.
[1]The BC Coroners' Service classifies SIDS deaths as "SUDI" - please see glossary (under "SIDS") for explanation.

Appendix Three



Selected Health Status Indicators by Local Health Area, Health Service Delivery Area and Health Authority

British Columbia, 2006-2010

Preamble to Appendix 3

This appendix consists of six tables:

Table A Summary Statistics by Local Health Area

Table B Mortality Statistics by Local Health Area

Table C Summary Statistics by Health Service Delivery Area

Table D Mortality Statistics by Health Service Delivery Area

Table E Summary Statistics by Health Authority

Table F Mortality Statistics by Health Authority

Assignment of events to geographic areas was based on the usual residence of the mother for live births and stillbirths, and the usual residence of the decedent for deaths.

Tables A, C, and E provide population estimates for the current year, and counts and rates for the five-year period ending with the current year for live births, stillbirths, deaths, infant deaths, low birth weight live births, cesarean live birth deliveries, pre-term live births, live births to teenage mothers, and live births to elderly gravida (mothers aged 35 or older).

Tables B, D, and F provide the SMR with statistical significance, number of deaths, trends in ASMR based on three-year moving averages from 1986 to the current year (in the column labelled TR), PYLLI with statistical significance, and the number of deaths under age 75. ICD-10 codes for the causes of death in these tables are listed below.

Category	Cause of Death	ICD-10 Codes
01	All causes of death	A00-Y89
02	Malignant neoplasms	C00-C97
03	Malignant neoplasm of lung	C34
04	Endocrine nutritional and metabolic diseases	E00-E89
05	Diabetes mellitus	E10-E14
06	Diseases of the circulatory system	I00-I99
07	Ischemic heart diseases	I20-I25
08	Cerebrovascular diseases	I60-I69
09	Diseases of arteries, arterioles and capillaries	I70-I78
10	Diseases of the respiratory system	J00-J98
11	Influenza and pneumonia	J10-J18
12	Chronic Pulmonary Disease	J40-J44
13	Diseases of the digestive system	K00-K92
14	Motor vehicle accidents	V02-V04, V09, V12-V14, V190-V196, V20-V79, V803-V805, V820-V821, V823-V890, V892, V899, Y850
15	Unintentional falls	W00-W19
16	Suicide	X60-X84, Y870
17	Alcohol-related deaths	see Glossary
18	Medically treatable diseases	see Glossary
19	Drug-induced deaths	see Glossary

Note: Some cause of death categories are different from those used previously, so readers should avoid comparisons with tables in earlier publications.

Table A

SUMMARY STATISTICS BY LOCAL HEALTH AREA, BRITISH COLUMBIA, 2006-2010

	Local Health Area	2010 Population	Live Birth Total	Live Birth Rate	Stillbirth Total	Stillbirth Rate[2]	Death Total	Death Rate	Infant Death Total	Infant Death Rate[1]
001	Fernie	15,052	733	10.00	6	8	421	5.74	4	5.46
002	Cranbrook	25,849	1,288	10.19	11	8.47	1,049	8.30	5	3.88
003	Kimberley	8,567	396	9.53	1	2.52	396	9.58	2	5.05
004	Windermere	10,798	450	8.83	3	6.62	270	5.30	1	2.22
005	Creston	12,841	578	9.29	-	-	746	11.99	1	1.73
006	Kootenay Lake	3,910	129	6.80	1	7.69	165	8.70	1	7.75
007	Nelson	25,311	1,174	9.53	8	6.77	933	7.57	1	0.85
009	Castlegar	13,582	482	7.33	7	14.31	621	9.45	-	-
010	Arrow Lakes	4,840	162	6.83	-	-	223	9.40	-	-
011	Trail	19,276	813	8.50	7	8.54	1,148	12.00	1	1.23
012	Grand Forks	8,893	293	6.59	1	3.40	535	12.03	2	6.83
013	Kettle Valley	3,716	108	5.96	-	-	124	6.84	-	-
014	Southern Okanagan	19,507	643	6.66	9	13.80	1,283	13.29	1	1.56
015	Penticton	41,404	1,652	8.02	12	7.21	2,599	12.62	4	2.42
016	Keremeos	5,246	196	7.65	7	34.48	336	13.11	-	-
017	Princeton	5,275	144	5.72	1	6.90	305	12.11	-	-
018	Golden	7,360	344	9.53	3	8.65	209	5.79	1	2.91
019	Revelstoke	7,934	400	10.10	3	7.44	261	6.59	2	5.00
020	Salmon Arm	34,878	1,326	7.79	11	8.23	1,679	9.86	3	2.26
021	Armstrong-Spallumcheen	9,685	444	9.35	5	11.14	402	8.47	1	2.25
022	Vernon	65,790	2,826	8.77	22	7.72	3,113	9.66	12	4.25
023	Central Okanagan	185,306	8,009	8.99	65	8.05	7,567	8.49	29	3.62
024	Kamloops	110,960	5,159	9.48	33	6.36	4,162	7.65	21	4.07
025	100 Mile House	14,894	507	6.96	3	5.88	658	9.03	2	3.94
026	North Thompson	4,315	221	10.34	1	4.50	208	9.73	-	-
027	Cariboo-Chilcotin	26,805	1,442	10.88	18	12.33	957	7.22	9	6.24
028	Quesnel	23,784	1,255	10.77	12	9.47	935	8.02	8	6.37
029	Lillooet	4,456	229	10.47	1	4.35	205	9.37	2	8.73
030	South Cariboo	7,438	301	8.28	4	13.11	361	9.93	1	3.32
031	Merritt	11,552	598	10.38	5	8.29	567	9.84	2	3.34
032	Hope	8,266	353	8.68	6	16.71	536	13.18	3	8.50
033	Chilliwack	86,529	5,080	12.23	41	8.01	3,537	8.52	16	3.15
034	Abbotsford	138,271	8,585	12.81	96	11.08	4,592	6.85	34	3.96
035	Langley	131,227	6,895	10.86	47	6.77	4,603	7.25	23	3.34
037	Delta	100,867	4,293	8.55	42	9.69	3,173	6.32	7	1.63
038	Richmond	196,858	8,476	8.94	70	8.19	4,549	4.80	27	3.19
040	New Westminster	66,892	3,450	10.85	32	9.19	2,524	7.93	15	4.35
041	Burnaby	227,389	11,290	10.32	93	8.17	6,834	6.24	30	2.66
042	Maple Ridge	94,894	4,817	10.53	46	9.46	2,901	6.34	14	2.91
043	Coquitlam	220,918	10,615	10.00	97	9.06	4,796	4.52	30	2.83
044	North Vancouver	141,844	6,032	8.79	70	11.47	4,082	5.95	12	1.99
045	West Vancouver-Bowen Is.	52,591	1,351	5.27	18	13.15	2,275	8.88	1	0.74
046	Sunshine Coast	29,984	1,075	7.40	6	5.55	1,374	9.45	7	6.51
047	Powell River	20,075	694	7.06	9	12.80	990	10.06	3	4.32
048	Howe Sound	35,900	2,322	13.71	28	11.91	595	3.51	11	4.74
049	Bella Coola Valley	2,938	211	14.51	3	14.02	104	7.15	2	9.48
050	Queen Charlotte	4,593	216	9.13	1	4.61	171	7.22	3	13.89
051	Snow Country	541	21	7.77	-	-	17	6.29	1	47.62
052	Prince Rupert	14,372	926	12.92	7	7.49	479	6.67	3	3.23
053	Upper Skeena	5,407	318	11.79	4	12.42	127	4.71	1	3.14
054	Smithers	16,214	1,083	13.53	9	8.24	447	5.59	2	1.85
055	Burns Lake	7,960	420	10.67	3	7.09	271	6.89	3	7.14
056	Nechako	15,009	1,095	14.63	7	6.35	532	7.11	8	7.31
057	Prince George	97,036	5,512	11.50	53	9.52	2,857	5.96	16	2.90
059	Peace River South	27,501	1,652	12.34	8	4.82	844	6.30	11	6.66
060	Peace River North	35,407	2,963	17.42	23	7.70	771	4.53	12	4.05
061	Greater Victoria	222,834	9,043	8.22	89	9.75	10,751	9.77	39	4.31
062	Sooke	69,628	3,602	11.08	18	4.97	1,734	5.33	11	3.05
063	Saanich	63,912	1,950	6.16	12	6.12	3,261	10.29	8	4.10
064	Gulf Islands	15,968	457	5.93	5	10.82	699	9.07	2	4.38
065	Cowichan	57,716	2,719	9.66	32	11.63	2,315	8.23	12	4.41
066	Lake Cowichan	6,493	204	6.46	1	4.88	228	7.22	3	14.71
067	Ladysmith	18,663	722	7.96	6	8.24	1,120	12.34	3	4.16
068	Nanaimo	104,368	4,531	8.94	29	6.36	4,610	9.10	19	4.19
069	Qualicum	45,698	1,263	5.66	8	4.73	2,581	11.57	5	3.96
070	Alberni	31,635	1,684	10.73	24	14.05	1,473	9.39	16	9.50
071	Courtenay	64,642	2,512	7.99	22	8.68	2,607	8.29	11	4.38
072	Campbell River	41,789	1,943	9.46	17	8.67	1,592	7.75	11	5.66
075	Mission	42,645	2,298	11.04	27	11.61	1,384	6.65	8	3.48
076	Agassiz-Harrison	9,066	478	10.78	4	8.30	351	7.92	2	4.18
077	Summerland	11,465	368	6.39	2	5.41	689	11.96	-	-
078	Enderby	7,682	379	10.04	4	10.44	397	10.52	-	-
080	Kitimat	10,237	466	9.05	3	6.40	325	6.32	-	-
081	Fort Nelson	6,319	479	15.32	5	10.33	116	3.71	1	2.09
083	Central Coast	1,488	140	18.96	5	34.48	60	8.13	2	14.29
084	Vancouver Island West	2,346	111	9.51	1	8.93	66	5.65	1	9.01
085	Vancouver Island North	12,307	768	12.54	6	7.75	435	7.10	2	2.60
087	Stikine	986	29	5.70	-	-	26	5.11	-	-
088	Terrace	20,536	1,224	12.14	13	10.51	702	6.96	6	4.90
092	Nisga'a	1,958	187	19.17	4	20.94	70	7.18	-	-
094	Telegraph Creek	709	52	14.81	1	18.87	21	5.98	-	-
161	Vancouver City Centre	119,767	4,878	8.39	57	11.55	3,154	5.42	13	2.67
162	Van. Downtown E. Side	69,864	2,444	7.88	37	14.91	2,442	7.87	9	3.68
163	Vancouver North East	105,376	5,454	10.57	55	9.98	2,851	5.53	20	3.67
164	Vancouver West Side	136,747	5,699	8.63	56	9.73	3,711	5.62	19	3.33
165	Vancouver Midtown	92,046	5,122	11.79	41	7.94	2,247	5.17	43	8.40
166	Vancouver South	135,414	6,485	9.74	63	9.62	4,176	6.27	34	5.24
201	Surrey	395,212	25,134	13.49	259	10.20	8,965	4.81	102	4.06
202	South Surrey/White Rock	86,737	2,814	6.81	20	7.06	4,318	10.45	7	2.49
	PROVINCIAL TOTAL	**4,530,960**	**217,722**	**9.93**	**2,004**	**9.12**	**155,053**	**7.11**	**820**	**3.77**

Please refer to footnotes on Table E

Table A

SUMMARY STATISTICS BY LOCAL HEALTH AREA, BRITISH COLUMBIA, 2006-2010

		Low Birth Wt. Live Birth		Cesarean		Pre-term		Teenage Mother		Elderly Gravida	
	Local Health Area	Total	Rate[1]	Total	Rate[1]	Total	Rate[1]	Total	Rate[1]	Total	Rate[1]
001	Fernie	33	45.02	249	339.70	48	65.48	27	36.83	103	140.52
002	Cranbrook	77	59.78	411	319.10	92	71.43	93	72.20	171	132.76
003	Kimberley	27	68.18	119	300.51	28	70.71	17	42.93	72	181.82
004	Windermere	35	77.78	121	268.89	45	100.00	16	35.56	62	137.78
005	Creston	36	62.28	145	250.87	44	76.12	54	93.43	74	128.03
006	Kootenay Lake	5	38.76	26	201.55	6	46.51	2	15.50	29	224.81
007	Nelson		51.11	267	227.43	72	61.33	35	29.81	267	227.43
009	Castlegar	23	47.72	141	292.53	35	72.61	8	16.60	65	134.85
010	Arrow Lakes	8	37.04	42	259.26	8	49.38	5	30.86	33	203.70
011	Trail	44	54.12	239	293.97	59	72.57	38	46.74	136	167.28
012	Grand Forks	15	51.19	76	259.39	17	58.02	16	54.61	48	163.82
013	Kettle Valley	5	46.30	22	203.70	10	92.59	3	27.78	22	203.70
014	Southern Okanagan	51	79.32	178	276.83	59	91.76	41	63.76	94	146.19
015	Penticton	80	48.43	467	282.69	119	72.03	76	46.00	257	155.57
016	Keremeos	9	45.92	60	306.12	12	61.22	13	66.33	21	107.14
017	Princeton	19	131.94	34	236.11	24	166.67	17	118.06	17	118.06
018	Golden	18	52.33	116	337.21	23	66.86	9	26.16	70	203.49
019	Revelstoke	19	47.50	114	285.00	22	55.00	19	47.50	58	145.00
020	Salmon Arm	62	46.76	476	358.97	99	74.66	68	51.28	212	159.88
021	Armstrong-Spallumcheen	19	42.79	141	317.57	25	56.31	24	54.05	47	105.86
022	Vernon	141	49.89	872	308.56	201	71.13	136	48.12	429	151.80
023	Central Okanagan	393	49.07	2,416	301.66	550	68.67	292	36.46	1,407	175.68
024	Kamloops	298	57.76	1,837	356.08	429	83.16	227	44.00	776	150.42
025	100 Mile House	30	59.17	157	309.66	51	100.59	28	55.23	64	126.23
026	North Thompson	17	76.92	53	239.82	16	72.40	14	63.35	26	117.65
027	Cariboo-Chilcotin	80	55.48	410	284.33	143	99.17	136	94.31	159	110.26
028	Quesnel	75	59.76	362	288.45	98	78.09	101	80.48	129	102.79
029	Lillooet	14	61.14	65	283.84	19	82.97	28	122.27	25	109.17
030	South Cariboo	25	83.06	82	272.43	31	102.99	26	86.38	28	93.02
031	Merritt	25	41.81	168	280.94	48	80.27	62	103.68	64	107.02
032	Hope	18	50.99	86	243.63	29	82.15	36	101.98	40	113.31
033	Chilliwack	235	46.26	1,463	287.99	377	74.21	279	54.92	653	128.54
034	Abbotsford	451	52.53	2,396	279.09	615	71.64	298	34.71	1,080	125.80
035	Langley	361	52.36	2,015	292.24	459	66.57	157	22.77	1,343	194.78
037	Delta	251	58.47	1,493	347.78	310	72.21	59	13.74	1,148	267.41
038	Richmond	455	53.68	2,648	312.41	570	67.25	55	6.49	2,717	320.55
040	New Westminster	213	61.74	1,124	325.80	288	83.48	63	18.26	992	287.54
041	Burnaby	619	54.83	3,607	319.49	782	69.26	127	11.25	3,445	305.14
042	Maple Ridge	269	55.84	1,593	330.70	395	82.00	109	22.63	1,028	213.41
043	Coquitlam	629	59.26	3,579	337.16	831	78.29	130	12.25	3,121	294.02
044	North Vancouver	322	53.38	1,943	322.12	444	73.61	51	8.45	2,344	388.59
045	West Vancouver-Bowen Is.	63	46.63	452	334.57	97	71.80	23	17.02	602	445.60
046	Sunshine Coast	46	42.79	334	310.70	80	74.42	43	40.00	240	223.26
047	Powell River	32	46.11	193	278.10	50	72.05	34	48.99	117	168.59
048	Howe Sound	112	48.23	790	340.22	169	72.78	62	26.70	677	291.56
049	Bella Coola Valley	19	90.05	48	227.49	37	175.36	34	161.14	34	161.14
050	Queen Charlotte	7	32.41	63	291.67	14	64.81	13	60.19	46	212.96
051	Snow Country	2	95.24	8	380.95	-	0.00	2	95.24	3	142.86
052	Prince Rupert	40	43.10	260	280.17	83	89.44	108	116.38	133	143.32
053	Upper Skeena	12	37.74	82	257.86	24	75.47	47	147.80	43	135.22
054	Smithers	50	46.17	293	270.54	64	59.10	69	63.71	170	156.97
055	Burns Lake	23	54.76	96	228.57	32	76.19	35	83.33	48	114.29
056	Nechako	53	48.40	291	265.75	66	60.27	103	94.06	101	92.24
057	Prince George	307	55.70	1,577	286.10	399	72.39	358	64.95	715	129.72
059	Peace River South	68	41.16	448	271.19	90	54.48	128	77.48	156	94.43
060	Peace River North	126	42.52	882	297.67	141	47.59	210	70.87	284	95.85
061	Greater Victoria	443	48.99	3,067	339.16	652	72.10	226	24.99	2,339	258.65
062	Sooke	170	47.20	1,309	363.41	251	69.68	99	27.48	686	190.45
063	Saanich	114	58.46	584	299.49	170	87.18	73	37.44	472	242.05
064	Gulf Islands	22	48.14	107	234.14	24	52.52	13	28.45	116	253.83
065	Cowichan	151	55.54	660	242.74	255	93.78	201	73.92	469	172.49
066	Lake Cowichan	5	24.51	59	289.22	13	63.73	14	68.63	27	132.35
067	Ladysmith	42	58.17	174	241.00	70	96.95	51	70.64	101	139.89
068	Nanaimo	234	51.64	1,225	270.36	376	82.98	209	46.13	742	163.76
069	Qualicum	62	49.09	348	275.53	83	65.72	40	31.67	260	205.86
070	Alberni	92	54.63	449	266.63	161	95.61	170	100.95	226	134.20
071	Courtenay	117	46.58	646	257.17	154	61.31	96	38.22	459	182.72
072	Campbell River	103	53.01	645	331.96	137	70.51	120	61.76	274	141.02
075	Mission	101	43.95	669	291.12	161	70.06	102	44.39	360	156.66
076	Agassiz-Harrison	28	58.58	129	269.87	50	104.60	47	98.33	65	135.98
077	Summerland	20	54.35	106	288.04	23	62.50	15	40.76	72	195.65
078	Enderby	12	31.66	111	292.88	25	65.96	28	73.88	49	129.29
080	Kitimat	18	38.63	180	386.27	24	51.50	47	100.86	58	124.46
081	Fort Nelson	21	43.84	181	377.87	30	62.63	50	104.38	53	110.65
083	Central Coast	4	28.57	33	235.71	15	107.14	17	121.43	8	57.14
084	Vancouver Island West	3	27.03	27	243.24	9	81.08	19	171.17	14	126.13
085	Vancouver Island North	41	53.39	168	218.75	68	88.54	95	123.70	86	111.98
087	Stikine	3	103.45	7	241.38	4	137.93	2	68.97	2	68.97
088	Terrace	65	53.10	241	196.90	94	76.80	121	98.86	142	116.01
092	Nisga'a	8	42.78	34	181.82	17	90.91	38	203.21	16	85.56
094	Telegraph Creek	-	0.00	10	192.31	1	19.23	6	115.38	5	96.15
161	Vancouver City Centre	269	55.15	1,569	321.65	366	75.03	15	3.08	1,685	345.43
162	Van. Downtown E. Side	147	60.15	641	262.27	229	93.70	65	26.60	818	334.70
163	Vancouver North East	350	64.17	1,593	292.08	436	79.94	85	15.58	1,746	320.50
164	Vancouver West Side	296	51.94	1,760	308.83	403	70.71	20	3.51	2,615	458.85
165	Vancouver Midtown	338	65.99	1,544	301.44	449	87.66	45	8.79	1,851	361.38
166	Vancouver South	470	72.47	2,010	309.95	539	83.11	95	14.65	2,013	310.41
201	Surrey	1,643	65.37	8,285	329.63	1,957	77.86	591	23.51	4,355	173.27
202	South Surrey/White Rock	166	58.99	970	344.71	247	87.78	32	11.37	887	315.21
	PROVINCIAL TOTAL	**12,083**	**56.50**	**67,181**	**308.56**	**16,375**	**76.21**	**7,114**	**32.67**	**49,325**	**226.55**

Please refer to footnotes on Table E

		01 All Causes of Death							02 All Cancer Sites							03 Lung Cancer							04 End/Nut/Met. Diseases						
	Local Health Area	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
001	Fernie	1.05		421		1.01		198	1.01		123		0.78	*	65	1.18		38		0.91		22	0.49	*	8		0.09	+	2
002	Cranbrook	1.14	*	1,049	↘	1.11		391	1.03		280		0.93		145	1.08		77		1.03		43	1.57	*	50		1.20		19
003	Kimberley	1.05		398		1.06		136	1.03		112		1.11		50	1.16		33		1.47		17	0.95		15		0.74		4
004	Windermere	0.80	*	270		0.70	*	107	0.81		83		0.71	*	40	0.74		20		0.24	*	7	0.29	+	4		0.35		1
005	Creston	1.09	*	746		1.34	*	270	0.92		179		1.13		97	0.96		49		1.39		32	1.39		40		0.96		12
006	Kootenay Lake	1.05		165		1.43	*	87	1.32	*	63		1.31		41	1.49		19		1.77		13	0.15	+	1		0.08	+	1
007	Nelson	1.06		933	↘	0.96		340	0.94		238		0.97		131	0.87		57		1.03		40	1.22		44		0.63		11
009	Castlegar	1.21	*	621		1.16		243	1.07		159		1.14		91	1.28		50		1.37		30	1.27		27		1.63		9
010	Arrow Lakes	1.04		223	↘	1.06		73	1.14		74		0.84		34	1.16		20		0.98		11	1.22		11	↗	0.72		2
011	Trail	1.27	*	1,148	↘	1.34	*	392	1.21	*	301		1.25		145	1.03		66		0.95		36	1.45	*	54		1.45		21
012	Grand Forks	1.17	*	535		1.39	*	200	1.07		145		1.12		75	0.94		34		1.17		22	0.83		16		1.02		4
013	Kettle Valley	0.84		124	↘	1.04		68	0.94		45		1.09		30	0.92		12		1.28		9	0.48		3	↘	0.23	+	1
014	Southern Okanagan	1.03		1,283	↘	1.18	*	425	1.11	*	398		1.13		181	1.26	*	120		1.38		61	1.08		57		0.63		13
015	Penticton	1.05	*	2,599		1.19	*	741	1.11	*	738		1.19	*	307	1.23	*	209	↗	1.19		97	1.20		123	↗	1.17		31
016	Keremeos	1.13	*	336		1.27		129	1.11		99		1.09		50	1.38		33		1.09		14	1.18		15		1.29		5
017	Princeton	1.22	*	305	↘	1.31	*	144	1.63	*	128		1.52	*	78	2.21	*	47		2.09	*	33	1.02		11		2.85		4
018	Golden	1.09		209	↘	0.99		95	1.21		69		1.27		42	0.81		12		0.91		10	1.42		11		0.34	+	3
019	Revelstoke	1.03		261	↘	0.87		108	1.20		90		0.87		41	1.17		23		0.59	*	10	0.86		9		0.82		5
020	Salmon Arm	1.04		1,679	↘	1.27	*	648	1.01		478		1.04		253	1.04		130		1.11		71	1.03		70		0.89		19
021	Armstrong-Spallumcheen	0.98		402	↘	1.05		146	0.94		112		0.77		54	0.83		26		0.58		14	0.88		15		0.93		5
022	Vernon	1.07	*	3,113	↘	1.12	*	1,051	0.99		808		0.99		390	1.01		216		1.20		127	1.15		138	↗	1.43		41
023	Central Okanagan	0.99		7,567	↘	1.00		2,459	1.00		2,151		1.00		998	0.97		536		1.03		285	0.97		307	↗	1.01		103
024	Kamloops	1.11	*	4,162	↘	1.21	*	1,606	1.03		1,155		1.03		630	1.17	*	348		1.18		197	1.26	*	196	↗	1.40		91
025	100 Mile House	1.17	*	658		1.39	*	348	1.13		204		1.35	*	131	1.19		59		1.26		38	0.84		20		0.60		9
026	North Thompson	1.48	*	208		1.56	*	96	1.05		47		1.21		30	1.16		14		1.58		10	0.51		3		-		-
027	Cariboo-Chilcotin	1.28	*	957	↘	1.80	*	513	1.09		253		0.95		151	1.20		74		1.26		56	1.89	*	52	↗	1.44		20
028	Quesnel	1.26	*	935	↘	1.47	*	461	1.27	*	288		1.34	*	179	1.57	*	94		1.44		55	1.62	*	50	↗	1.84		26
029	Lillooet	1.45	*	205		1.67	*	114	1.20		52		1.30		33	2.17	*	25	↗	2.85	*	20	1.70		10		1.42		7
030	South Cariboo	1.26	*	361		1.67	*	188	1.16		104		1.29		65	1.32		32		1.55		20	1.39		17	↗	1.95		9
031	Merritt	1.40	*	567		1.77	*	290	1.11		135		1.01		82	1.18		38		1.10		23	1.24		21		1.66		9
032	Hope	1.48	*	536		2.09	*	266	1.54	*	167		1.81	*	103	2.25	*	65		2.45	*	43	1.95	*	30		2.10		11
033	Chilliwack	1.12	*	3,537	↘	1.19	*	1,348	1.18	*	1,052		1.18	*	532	1.24	*	289		1.34	*	167	0.92		120		1.11		51
034	Abbotsford	1.01		4,592	↘	1.01		1,564	0.92	*	1,149		0.94		545	0.82	*	260		0.85		153	1.22	*	227	↗	1.15		77
035	Langley	1.05	*	4,603	↘	0.97		1,612	1.02		1,244	↘	1.06		649	1.09		340	↘	1.01		182	0.89		159		0.73		49
037	Delta	0.93	*	3,173	↘	0.80	*	1,093	0.93	*	927	↘	0.96		493	0.84	*	218	↘	0.85		124	0.82	*	115		0.94		46
038	Richmond	0.74	*	4,549	↘	0.60	*	1,553	0.81	*	1,415	↘	0.82	*	751	0.77	*	348	↘	0.76	*	202	0.69	*	172		0.49	*	64
040	New Westminster	1.15	*	2,524	↘	1.09		915	1.16	*	686		1.12		351	1.33	*	199		1.26		112	0.94		83		1.35		34
041	Burnaby	0.93	*	6,834	↘	0.75	*	2,155	0.91	*	1,853	↘	0.87	*	863	0.91	*	477	↘	0.89		237	0.97		290		1.02		99
042	Maple Ridge	1.14	*	2,901	↘	1.05		1,242	1.19	*	877		1.11		471	1.33	*	251		1.09		139	1.28	*	132		1.16		61
043	Coquitlam	0.90	*	4,796	↘	0.71	*	1,943	0.99		1,556	↘	0.89	*	880	0.99		406	↘	0.82	*	233	0.77	*	166		0.63	*	62
044	North Vancouver	0.88	*	4,082	↘	0.68	*	1,292	0.90	*	1,182	↘	0.85	*	598	0.77	*	261	↘	0.74	*	146	0.82	*	155		0.78		51
045	West Vancouver-Bowen Is	0.81	*	2,275	↘	0.55	*	474	0.84	*	634	↘	0.75	*	244	0.54	*	104	↘	0.31	*	37	0.51	*	59		0.26	*	11
046	Sunshine Coast	0.98		1,374	↘	1.02		508	1.07		439		1.13		235	0.93		100		0.77		57	0.80		47		0.94		19
047	Powell River	1.08	*	990	↘	1.15		353	1.05		279		1.01		141	0.88		62		1.16		43	0.99		38		0.37	*	10
048	Howe Sound	0.98		595	↘	1.05		350	0.87		158	↘	0.73	*	97	0.90		42	↘	0.86		25	1.26		30		0.88		16
049	Bella Coola Valley	1.28	*	104	↘	2.17	*	68	0.98		25		1.58		20	1.02		7		1.96		7	0.89		3		-		-
050	Queen Charlotte	1.46	*	171		1.54	*	95	1.16		43		1.05		28	1.23		12		1.21		9	1.25		6		1.30		3
051	Snow Country	1.34		17		2.21		13	1.32		6		1.02		4	1.60		2		1.37		2	1.88		1		4.82		1
052	Prince Rupert	1.27	*	479	↘	1.36	*	256	1.09		125		0.92		72	1.09		33		0.83		22	1.81	*	28		1.67		14
053	Upper Skeena	1.04		127		1.35		77	0.89		34		0.98		22	1.08		11		0.63		9	1.79		9		1.46		4
054	Smithers	1.12	*	447		1.13		208	1.06		128		1.11		72	1.04		33		0.83		15	1.29		21	↗	1.00		10
055	Burns Lake	1.19	*	271		1.42	*	130	1.16		80		0.85		46	1.65	*	30		1.11		19	1.70		16	↗	1.14		6
056	Nechako	1.38	*	532		1.54	*	269	1.24	*	149		1.20		85	1.57	*	50		1.52		32	1.75	*	28		1.96		12
057	Prince George	1.25	*	2,857	↘	1.27	*	1,553	1.30	*	918		1.29	*	604	1.59	*	298		1.55	*	192	1.55	*	144		1.86	*	81
059	Peace River South	1.22	*	844		1.36	*	429	1.12		239		1.22		150	1.28		72		1.34		45	1.83	*	52	↗	1.91		25
060	Peace River North	1.25	*	771		1.32	*	431	1.35	*	248		1.29	*	163	1.34	*	64		1.72	*	50	1.23		30		0.81		13
061	Greater Victoria	1.02	*	10,751	↘	1.07	*	3,013	1.02		2,731	↘	1.06		1,195	0.96		643	↘	1.05		310	0.98		417	↗	1.33	*	135
062	Sooke	0.99		1,734	↘	0.90	*	780	1.07		553	↘	1.10		328	1.04		139	↘	0.86		68	0.93		66		0.64	*	25
063	Saanich	0.85	*	3,261	↘	0.77	*	782	0.96		998	↘	0.84	*	359	0.80	*	212	↘	0.66	*	83	0.53	*	84		0.79		23
064	Gulf Islands	0.80	*	699	↘	0.90		233	0.87	*	222	↘	0.95		112	0.76		52		1.09		27	0.57	*	21		0.91		7
065	Cowichan	1.01		2,315	↘	1.21	*	925	1.09	*	718		1.17	*	376	1.07		184		1.06		104	0.99		94		1.08		32
066	Lake Cowichan	1.05		228		1.42	*	120	0.91		62		0.89		40	1.21		22		1.46		16	0.88		8		0.44		3
067	Ladysmith	1.22	*	1,120		1.31	*	378	1.18	*	312		1.21		159	1.38	*	95		1.47	*	56	1.33		51	↗	2.03		22
068	Nanaimo	1.07	*	4,610	↘	1.17	*	1,687	1.06	*	1,296	↘	1.09		652	1.07		339		1.07		178	1.34	*	239	↗	1.13		76
069	Qualicum	0.94	*	2,581	↘	1.00		835	1.01		814	↘	1.02		387	0.94		201		0.89		103	0.63	*	73		0.55	*	22
070	Alberni	1.25	*	1,473	↘	1.64	*	656	1.23	*	430		1.24	*	221	1.41	*	130		1.55	*	64	1.77	*	87		2.07	*	43
071	Courtenay	0.99		2,607	↘	0.98		971	1.02		795	↘	1.02		408	1.12		230		0.98		119	0.98		108		0.96		37
072	Campbell River	1.18	*	1,592	↘	1.31	*	772	1.14	*	467	↘	1.20	*	278	1.29	*	140		1.30		83	1.41	*	79		1.13		29
075	Mission	1.20	*	1,384	↘	1.21	*	604	1.18	*	392		1.11		225	1.29	*	111		1.57	*	79	1.34	*	63		0.95		20
076	Agassiz-Harrison	1.00		351	↘	1.54	*	165	0.84		89	↘	1.14		55	0.88		25		0.89		18	1.08		16		1.14		7
077	Summerland	0.95		689	↘	0.82	*	169	1.06		207		0.81		73	1.04		52		0.98		22	0.96		29		0.28	*	6
078	Enderby	1.22	*	397		1.25		153	1.22	*	118		1.10		60	1.49	*	38		1.64		18	0.73		10		0.29	+	3
080	Kitimat	1.26	*	325	↘	1.32	*	188	1.24	*	104		1.30		68	1.56	*	35		1.39		25	2.34	*	25		2.05		10
081	Fort Nelson	1.59	*	116		1.63	*	81	1.42		32		1.24		24	1.24		7		1.10		6	1.09		3		1.56		2
083	Central Coast	2.01	*	60		2.67	*	40	0.96		9		1.10		6	0.40		1		-		-	2.47		3		2.55		2
084	Vancouver Island West	1.10		66		1.62	*	55	1.37		28		1.38		22	2.17	*	12		2.58		10	1.60		4		1.33		3
085	Vancouver Island North	1.64	*	435		1.77	*	291	1.70	*	151		1.53	*	103	2.38	*	57		2.24	*	38	2.28	*	25		2.98	*	20
087	Stikine	1.05		26		1.01		20	0.93		8		0.79		5	2.13		5		2.30		4	0.96		1		0.89		1
088	Terrace	1.39	*	702		1.72	*	401	1.35	*	216		1.53	*	143	1.68	*	71		1.83	*	48	1.58	*	33		1.68		20
092	Nisga'a	1.85	*	70		2.24	*	41	1.07		13		1.14		8	1.24		4		0.75		2	3.24	*	5		3.23		4
094	Telegraph Creek	1.42		21		2.93	*	15	0.69		3		0.41		2	-		-		-		-	-		-		-		-
161	Vancouver City Centre	1.02		3,154	↘	0.93	*	1,328	1.08	*	917	↘	1.02		492	0.97		210	↘	0.87		122	0.89		109		0.99		40
162	Van.Downtown E. Side	1.20	*	2,442	↘	2.02	*	1,508	1.06		594	↘	1.29	*	367	1.27	*	181	↘	1.70	*	117	0.85		70		1.02		38
163	Vancouver North East	0.84	*	2,851	↘	0.81	*	1,030	0.95		931		0.93		439	0.98		248		0.88		108	0.91		127		0.66	*	41
164	Vancouver West Side	0.81	*	3,711	↘	0.55	*	924	0.79	*	956	↘	0.70	*	417	0.51	*	156	↘	0.49	*	73	0.55	*	102		0.45	*	25
165	Vancouver Midtown	0.89	*	2,247	↘	0.92		875	0.85	*	600	↘	0.88		314	0.88		159	↘	0.84		82	0.82		83		0.92		37
166	Vancouver South	0.85	*	4,176	↘	0.73	*	1,188	0.81	*	1,090	↘	0.82	*	502	0.80	*	276		0.79	*	136	0.89		178		0.91		50
201	Surrey	0.99		8,965	↘	1.00		4,168	0.91	*	2,466	↘	0.97		1,455	0.84	*	593	↘	0.86	*	363	1.25	*	461	↗	1.04		177
202	South Surrey/White Rock	0.91	*	4,318	↘	0.72	*	947	0.91	*	1,142		0.83	*	450	0.83	*	267		0.72	*	114	0.76	*	149		0.69		27
	PROVINCIAL TOTAL	**1.00**		**155,953**	↘	**1.00**		**57,843**	**1.00**		**44,191**	↘	**1.00**		**22,606**	**1.00**		**11,443**	↘	**1.00**		**6,322**	**1.00**		**8,384**	↗	**1.00**		**2,305**

Please refer to footnotes on Table E

Table B

MORTALITY STATISTICS BY LOCAL HEALTH AREA, BRITISH COLUMBIA, 2006-2010

		05 Diabetes						06 Circulatory System						07 Ischemic Heart Diseases						08 Cerebrovascular Disease/Stroke					
	Local Health Area	SMR	(p)	Death	TR	PYLLI	(p) D<75	SMR	(p)	Death	TR	PYLLI	(p) D<75	SMR	(p)	Death	TR	PYLLI	(p) D<75	SMR	(p)	Death	TR	PYLLI	(p) D<75
001	Fernie	0.55		7		0.14	+ 2	0.94		106	↘	0.74	39	0.81		44	↘	0.60	* 20	0.69		18		0.06	+ 2
002	Cranbrook	1.75	*	53		1.84	17	1.05		291	↘	0.79	* 57	1.04		136	↘	0.96	31	0.95		63	↘	0.80	12
003	Kimberley	0.88		11		0.55	2	0.75	*	88	↘	0.58	* 17	0.57	*	31	↘	0.59	11	0.81		23		0.35	1
004	Windermere	0.27	+	3		0.53	1	0.67	*	86		0.71	18	0.64	*	30		0.82	8	0.65		15		0.57	3
005	Creston	1.31		30		1.30	11	1.16	*	252		1.32	52	1.12		113		1.47	31	1.16		61		0.94	8
006	Kootenay Lake	0.19		1		0.11	+ 1	0.78		37	↘	0.66	11	0.98		22	↘	0.79	8	0.72		8		1.22	2
007	Nelson	1.41	*	40		0.41	* 8	1.29	*	342		1.11	81	1.33	*	165		1.16	47	1.29	*	82		1.39	17
009	Castlegar	1.25		21		0.87	5	1.24	*	194	↘	1.35	55	1.28	*	94	↘	1.16	29	1.20		45		1.66	11
010	Arrow Lakes	0.69		5		0.78	1	0.81		53	↘	0.84	12	0.91		28	↘	0.63	6	0.71		11	↘	1.20	3
011	Trail	1.49	*	44		1.40	16	1.35	*	389	↘	1.27	76	1.42	*	188	↘	1.25	41	1.30	*	92		1.14	15
012	Grand Forks	0.84		13		0.49	2	1.36	*	192	↘	1.50	45	1.44	*	96		1.64	29	1.50	*	51		1.78	8
013	Kettle Valley	0.59		3		0.32	+ 1	0.99		42		1.12	15	0.72		15		0.77	4	1.14		11		1.59	6
014	Southern Okanagan	1.01		43		0.61	10	0.90	*	356	↘	1.27	88	0.88		163	↘	1.28	48	0.75	*	72	↘	1.10	12
015	Penticton	1.15		94		0.95	20	0.90	*	738	↘	1.05	130	0.86	*	322	↘	0.93	58	0.94		190	↘	0.76	28
016	Keremeos	1.17		12		1.84	5	1.01		93		1.03	21	1.05		46	↘	0.88	11	0.32	*	7		0.07	+ 1
017	Princeton	0.93		8		0.22	+ 1	1.04		78	↘	0.87	27	0.97		35	↘	0.90	16	0.86		15		0.68	6
018	Golden	1.64		10		0.45	2	1.29	*	70	↘	1.03	22	1.27		33	↘	1.21	11	1.03		13		0.41	+ 4
019	Revelstoke	0.85		7		1.27	5	1.03		77	↘	1.40	24	0.82		29	↘	0.90	9	1.01		18	↘	1.13	3
020	Salmon Arm	1.05		57		1.01	16	0.93		465	↘	1.02	124	0.88		208	↘	0.97	73	0.88		104		0.96	24
021	Armstrong-Spallumcheen	0.88		12		0.98	3	1.06		135	↘	1.33	35	1.03		61	↘	1.49	25	0.82		25	↘	1.58	4
022	Vernon	1.22	*	117	↗	1.20	30	1.13	*	1,028	↘	1.11	217	1.08		455	↘	1.18	123	1.07		236	↘	0.82	34
023	Central Okanagan	0.98		246	↗	0.99	80	1.01		2,405	↘	0.95	454	0.96		1,059	↘	0.88	243	1.00		580	↘	1.09	85
024	Kamloops	1.28	*	158	↗	1.50	* 74	1.07	*	1,181	↘	1.06	339	1.04		545	↘	1.20	205	1.04		272	↘	0.85	51
025	100 Mile House	0.99		19		0.84	8	1.20	*	192		1.50	* 80	1.25	*	98		1.41	47	1.33		49		1.16	17
026	North Thompson	0.43		2		-	-	1.48	*	59		1.79	20	1.49		25		1.55	9	1.42		13		1.37	4
027	Cariboo-Chilcotin	1.85	*	45	↗	2.03	19	1.24	*	260	↘	1.27	99	1.15		116	↘	1.31	58	1.13		55	↘	1.35	14
028	Quesnel	1.68	*	41		1.92	20	1.19	*	254	↘	1.30	82	1.02		105	↘	1.26	46	1.20		60		0.79	10
029	Lillooet	1.50		7		1.37	4	1.29		53		1.48	25	1.32		26		1.24	13	0.73		7		0.73	3
030	South Cariboo	1.43		14		2.20	8	0.95		80	↘	1.93	* 38	1.11		45	↘	2.28	* 27	0.77		15	↘	1.89	6
031	Merritt	1.12		15		0.91	5	1.61	*	194		2.17	* 73	1.71	*	98	↘	2.38	* 44	1.62	*	46		1.48	12
032	Hope	1.79	*	22		1.64	7	1.23	*	136	↘	2.13	* 53	1.35	*	71	↘	2.12	* 32	0.84		22		1.08	5
033	Chilliwack	0.90		93		1.45	40	1.10	*	1,067	↘	1.32	* 274	1.18	*	531	↘	1.40	* 160	1.00		234	↘	1.42	48
034	Abbotsford	1.24	*	182	↗	1.02	57	1.08	*	1,529	↘	0.94	300	1.15	*	747	↘	1.00	175	0.96		332	↘	1.15	65
035	Langley	0.96		134		0.79	39	1.10	*	1,478	↘	1.04	333	1.24	*	770	↘	1.22	* 214	1.04		341	↘	0.78	43
037	Delta	0.70	*	77		0.61	* 28	1.00		1,015	↘	0.82	* 198	1.02		488	↘	0.94	124	1.04		252	↘	0.50	* 28
038	Richmond	0.71	*	141		0.54	* 52	0.74	*	1,382	↘	0.60	* 277	0.76	*	656	↘	0.55	* 148	0.85	*	380	↘	0.70	* 63
040	New Westminster	0.87		60		1.32	24	1.28	*	875	↘	1.21	189	1.52	*	472		1.25	115	1.09		182	↘	1.20	30
041	Burnaby	0.99		233		0.97	76	0.95	*	2,146	↘	0.77	* 423	1.10	*	1,149	↘	0.79	* 232	0.94		515	↘	1.03	100
042	Maple Ridge	1.25	*	101		1.30	46	1.16	*	867	↘	1.24	* 255	1.22	*	426	↘	1.36	* 137	1.18	*	211	↘	1.26	58
043	Coquitlam	0.74	*	125		0.61	* 46	0.88	*	1,329	↘	0.75	* 346	0.88	*	628	↘	0.76	* 197	0.82	*	294	↘	0.55	* 48
044	North Vancouver	0.82	*	121		0.64	* 34	0.95		1,341	↘	0.89	* 245	0.88	*	574	↘	0.61	* 129	1.12	*	380	↘	0.76	52
045	West Vancouver-Bowen Is	0.50	*	46		0.28	* 9	0.90	*	825	↘	0.48	* 83	0.80	*	336	↘	0.47	* 45	1.15	*	261	↘	0.64	17
046	Sunshine Coast	0.73		34		1.04	13	1.04		453	↘	1.03	104	0.94		191	↘	1.07	58	1.21	*	126		0.49	* 15
047	Powell River	1.02		31		0.39	* 7	1.04		295	↘	1.12	73	1.02		135	↘	1.14	40	0.92		63	↘	0.82	8
048	Howe Sound	1.26		23		1.00	13	1.00		156	↘	1.22	68	1.00		76	↘	1.31	40	1.18		41		1.48	15
049	Bella Coola Valley	0.75		2		-	-	1.33		30	↘	2.56	* 17	1.92	*	21		2.81	12	0.57		3		0.66	2
050	Queen Charlotte	-		-		-	-	1.29		4		1.37	3	0.61		1		0.22	+ 1	1.56		1		6.69	1
051	Snow Country	-		-		-	-	1.29		4		1.37	3	0.61		1		0.22	+ 1	1.56		1		6.69	1
052	Prince Rupert	1.99	*	24	↗	1.98	12	1.18		125	↘	1.86	* 59	1.14		58	↘	1.32	30	1.13		28		3.18	* 12
053	Upper Skeena	2.28	*	9		2.39	4	0.91		30	↘	1.12	17	0.99		16		1.07	10	0.54		4	↘	1.19	2
054	Smithers	1.34		17		1.06	8	1.03		115	↘	0.85	34	0.82		44	↘	1.00	17	1.05		27		0.64	8
055	Burns Lake	1.62		12	↗	1.52	4	1.00		65	↘	1.06	20	1.21		38		1.14	10	1.12		17		1.38	6
056	Nechako	1.59		20		2.12	10	1.31	*	141	↘	1.38	46	0.98		51		1.34	24	1.91	*	47		1.99	12
057	Prince George	1.50	*	109		1.78	* 59	1.19	*	739	↘	1.16	282	1.13	*	342	↘	1.16	147	1.26	*	180	↘	1.35	63
059	Peace River South	2.02	*	45	↗	1.44	20	1.24	*	238	↘	0.81	74	1.39	*	129		1.03	50	0.85		38		0.47	* 11
060	Peace River North	1.12		21		0.80	9	1.08		175	↘	1.01	57	1.05		82	↘	0.98	28	0.95		35		0.41	* 10
061	Greater Victoria	0.94		314	↗	1.11	90	1.07	*	3,703	↘	1.05	533	1.02		1,591	↘	0.99	284	0.99		855	↘	1.15	103
062	Sooke	0.90		50		0.68	21	1.05		522	↘	0.96	148	0.97		230	↘	0.86	77	1.11		130		1.00	27
063	Saanich	0.53	*	68		0.54	* 16	0.78	*	984	↘	0.65	* 143	0.71	*	415	↘	0.58	* 69	0.85	*	263	↘	0.82	35
064	Gulf Islands	0.41	*	12		0.93	5	0.78	*	217	↘	0.66	* 37	0.60	*	78	↘	0.81	22	0.76	*	51	↘	0.05	+ 2
065	Cowichan	1.10		83		1.23	27	0.97		689	↘	1.15	158	0.95		316	↘	0.99	69	0.89		152	↘	1.20	32
066	Lake Cowichan	1.11		8		0.66	3	1.26	*	79		1.85	* 29	1.13		34		1.29	12	1.58	*	23		4.02	10
067	Ladysmith	1.31		40		1.54	18	1.20	*	345	↘	1.07	70	1.10		148	↘	0.87	34	1.18		82		1.29	15
068	Nanaimo	1.46	*	206	↗	1.28	64	1.09	*	1,465	↘	1.25	* 330	1.13	*	701	↘	1.25	* 194	1.03		335	↘	0.95	51
069	Qualicum	0.83	*	59		0.71	18	0.90	*	781	↘	0.73	* 143	0.89	*	363	↘	0.78	* 89	0.92		192	↘	0.70	20
070	Alberni	1.72	*	67		1.54	31	1.14	*	405	↘	1.44	* 121	1.26	*	211	↘	1.32	71	1.06		89	↘	1.68	21
071	Courtenay	1.02		89		1.15	30	0.96		779	↘	0.90	189	0.83	*	315	↘	0.90	103	1.24	*	241	↘	0.83	35
072	Campbell River	1.40	*	62		0.75	18	1.20	*	471	↘	1.20	150	1.03		193	↘	0.97	71	1.34	*	123		1.38	32
075	Mission	1.42	*	52		1.23	18	1.20	*	406	↘	1.23	110	1.23	*	196	↘	1.18	61	1.07		86		1.11	15
076	Agassiz-Harrison	1.27		15		1.68	6	1.00		106	↘	1.29	36	0.95		48	↘	1.14	18	1.20		30	↘	1.63	8
077	Summerland	0.87		21		0.32	+ 4	0.85	*	205	↘	0.72	34	0.83		91	↘	0.84	22	0.88		52		0.47	5
078	Enderby	0.55		6		0.06	+ 1	1.29	*	128	↘	1.29	28	1.15		54	↘	1.16	17	1.58	*	37		1.01	4
080	Kitimat	2.61	*	22	↗	2.19	8	1.23		85		1.82	37	1.38	*	47		1.63	24	1.03		16		1.17	6
081	Fort Nelson	1.48		3		2.79	2	1.89	*	30		1.40	13	1.84	*	15		1.95	10	1.24		4		0.94	1
083	Central Coast	3.18		3		4.38	2	1.91	*	15		3.61	9	2.31	*	9		4.46	6	2.30		4		4.71	2
084	Vancouver Island West	1.53		3		1.07	2	0.71		11		1.03	8	0.50		4		0.76	4	0.60		2		0.99	2
085	Vancouver Island North	1.99	*	17		3.37	* 14	1.24		84	↘	1.43	46	1.23		42	↘	1.46	27	1.22		18		2.07	11
087	Stikine	1.22		1		1.33	1	0.79		5		0.41	+ 4	1.24		4		0.61	3	0.72		1		0.41	1
088	Terrace	1.83	*	30		2.16	17	1.52	*	210		1.76	* 87	1.66	*	112		2.35	* 61	1.40	*	44		1.19	10
092	Nisga'a	3.35		4		3.28	3	2.48	*	24		1.95	8	2.06		10		1.21	3	2.34		5		4.70	3
094	Telegraph Creek	-		-		-	-	0.73		3		0.15	+ 1	0.50		1		0.28	+ 1	1.07		1		-	-
161	Vancouver City Centre	0.88		84		1.22	33	0.95		860	↘	1.10	259	0.96		403	↘	1.18	147	1.01		221		1.05	* 47
162	Van. Downtown E. Side	0.82		53		1.18	31	1.00		623	↘	2.14	* 275	1.04		300	↘	1.86	* 146	0.96		142	↘	1.92	* 47
163	Vancouver North East	0.88		97		0.70	30	0.76	*	782	↘	0.89	192	0.65	*	311	↘	0.65	* 82	0.97		239	↘	1.39	56
164	Vancouver West Side	0.45	*	65		0.42	* 16	0.80	*	1,156	↘	0.54	* 172	0.73	*	480	↘	0.50	* 83	0.86	*	306	↘	0.46	* 32
165	Vancouver Midtown	0.73	*	58		0.71	22	0.90	*	676	↘	0.96	167	0.79	*	275	↘	0.81	84	1.15		207	↘	1.14	35
166	Vancouver South	0.91		145		1.11	41	0.86	*	1,325	↘	0.72	* 220	0.85	*	601	↘	0.65	* 111	0.91		346	↘	1.03	58
201	Surrey	1.33	*	384	↗	1.18	144	1.03		2,624	↘	1.15	* 851	1.11	*	1,335	↘	1.28	* 514	0.93		555	↘	1.19	145
202	South Surrey/White Rock	0.64	*	100		0.50	* 19	0.95		1,492	↘	0.65	* 173	1.05		750	↘	0.67	* 94	0.96		372	↘	0.56	* 34
	PROVINCIAL TOTAL	**1.00**		**5,048**	↗	**1.00**	**1,752**	**1.00**		**47,863**	↘	**1.00**	**11,012**	**1.00**		**22,171**	↘	**1.00**	**6,134**	**1.00**		**11,503**	↘	**1.00**	**2,038**

Please refer to footnotes on Table E

		09 Arteries/Arterioles/Capillaries						10 Respiratory System						11 Pneumonia and Influenza						12 Chronic Lung Disease					
	Local Health Area	SMR	(p)	Death	TR	PYLLI	(p) D<75	SMR	(p)	Death	TR	PYLLI	(p) D<75	SMR	(p)	Death	TR	PYLLI	(p) D<75	SMR	(p)	Death	TR	PYLLI	(p) D<75
001	Fernie	1.09		6		0.61	2	0.98		38		0.67	14	0.98		14		0.13	+ 1	1.09		18		1.40	11
002	Cranbrook	1.42		19		0.95	6	1.26	*	122		1.57	38	0.72		26		1.41	8	1.86	*	77		1.92	22
003	Kimberley	0.90		5		0.16	+ 1	1.27		52		1.44	16	0.58		9		0.83	1	1.97	*	34		2.55	13
004	Windermere	0.83		4	↘	1.14	2	0.98		34		0.74	10	0.32	+	4		0.13	+ 2	1.54		23		0.83	5
005	Creston	1.35		14		0.98	3	1.08		83		1.91	* 28	0.87		25		2.07	5	1.26		41		2.24	16
006	Kootenay Lake	0.87		2		-	-	0.98		16		1.84	8	0.67		4		0.64	2	0.85		6		1.08	4
007	Nelson	1.59		20		2.06	6	0.86		79		0.90	21	0.46	*	16	↗	0.76	5	1.19		46		0.55	* 10
009	Castlegar	1.74		13		2.32	7	1.12		61		1.69	23	0.68		14		1.40	6	1.56	*	36	↗	1.46	12
010	Arrow Lakes	0.63		2		-	-	0.75		17	↘	0.60	4	0.00		5	↘	-	-	1.13		11	↘	1.36	3
011	Trail	0.82		11		2.20	3	1.14		114		1.91	24	0.70		27		1.70	6	1.57	*	65		1.56	13
012	Grand Forks	1.75		12		2.59	4	0.94		47		1.33	12	1.20		22		1.50	5	0.83		18		1.21	5
013	Kettle Valley	2.34		5		6.94	4	0.80		9		1.02	5	0.20		1		0.48	1	1.04		7		1.95	3
014	Southern Okanagan	1.00		19		1.53	8	0.91		128		0.84	26	0.92		48		0.79	8	0.90		55		0.73	10
015	Penticton	1.16		44		1.82	11	1.02		294		1.11	52	1.17		132		1.58	18	0.96		114		1.07	26
016	Keremeos	1.99		9		0.93	2	1.04		34		1.43	9	0.85		10		-	-	1.32		19		2.06	7
017	Princeton	1.34		5	↘	1.94	3	1.51	*	40		2.35	14	2.04	*	19		4.12	4	1.28		15		2.32	9
018	Golden	2.29		6	↗	0.44	2	0.91		17		0.22	+ 4	1.30		9		0.36	+ 2	1.01		8		0.22	+ 2
019	Revelstoke	1.39		5		5.45	4	1.20		31		1.01	8	1.35		13		1.73	3	1.18		13		1.01	5
020	Salmon Arm	0.99		24		0.70	8	1.04		184		0.72	37	0.93		61		0.58	8	1.27	*	96		0.99	22
021	Armstrong-Spallumcheen	1.15		7		-	-	0.92		41	↘	1.40	11	0.60		10		0.90	3	1.27		24		1.02	6
022	Vernon	1.23		53		0.46	* 12	1.07		342		1.02	77	0.98		119		1.14	23	1.22	*	163		1.03	40
023	Central Okanagan	1.01		114		0.80	26	0.94		785	↗	1.14	161	0.85	*	270	↗	1.33	43	1.03		364		1.10	82
024	Kamloops	1.40	*	75	↗	1.03	20	0.98		382	↗	1.22	118	0.72	*	102	↗	1.35	27	1.27	*	212	↗	1.19	69
025	100 Mile House	1.36		11		2.06	5	1.19		67		1.44	24	1.08		21		2.06	4	1.42		36		1.66	17
026	North Thompson	3.01	*	6		6.55	3	2.07	*	29		3.00	* 16	1.83		9		4.51	5	2.59	*	18		2.70	8
027	Cariboo-Chilcotin	1.35		14		0.63	3	1.02		74	↘	1.16	28	0.73		19		0.91	7	1.23		39	↘	1.24	15
028	Quesnel	1.43		15		2.55	6	1.00		75		1.01	21	0.74		20		0.36	+ 3	1.35		44		1.98	15
029	Lillooet	2.98	*	8		1.67	3	1.61	*	23		1.75	10	1.93		10		1.04	3	1.61		10		2.23	5
030	South Cariboo	0.96		4		0.53	1	1.32		39		1.18	6	1.26		13		1.72	2	1.60		21		1.11	3
031	Merritt	1.54		9		1.89	3	1.23		52		1.05	17	0.97		15		0.34	+ 4	1.54	*	28		0.99	8
032	Hope	0.74		4	↘	3.96	2	1.69	*	66		2.31	* 21	1.13		16		2.12	5	2.36	*	40		3.56	* 14
033	Chilliwack	1.04		48	↘	1.16	17	1.35	*	463	↗	1.52	* 114	1.43	*	184		1.69	34	1.37	*	198	↗	1.74	* 64
034	Abbotsford	0.89		59	↘	0.72	12	1.12	*	557		1.13	117	1.41	*	271		1.07	37	1.00		205		1.10	58
035	Langley	1.14		72	↘	0.89	19	1.19	*	556		0.90	109	1.29	*	234		0.92	26	1.18	*	229		1.22	61
037	Delta	0.78		38	↘	0.24	* 8	0.93		330		0.79	65	1.23	*	164		0.91	22	0.69	*	103		0.89	27
038	Richmond	0.60	*	53		0.56	* 10	0.79	*	513	↘	0.39	* 87	0.81	*	201	↘	0.20	* 18	0.67	*	182	↘	0.40	* 41
040	New Westminster	1.17		37		1.64	12	1.08		253	↘	1.14	53	0.92		85	↘	1.12	13	1.15		109		1.48	30
041	Burnaby	0.52	*	55	↘	0.49	* 14	1.14	*	897		0.65	* 141	1.23	*	371		0.42	* 31	1.04		339		0.79	71
042	Maple Ridge	0.95		34		1.17	11	1.13	*	294		1.14	78	0.96		95		0.96	19	1.23	*	134		1.20	40
043	Coquitlam	0.96		70	↘	1.13	26	0.99		517	↘	0.56	* 102	1.03		202	↘	0.45	* 26	0.90		197	↘	0.48	* 47
044	North Vancouver	0.71	*	47	↘	0.52	* 12	0.84	*	410	↘	0.45	* 55	1.00		188	↘	0.51	* 16	0.67	*	136	↘	0.34	* 22
045	West Vancouver-Bowen Is.	0.85		36		0.25	+ 3	0.89		286		0.46	* 32	1.24	*	157		0.55	10	0.60	*	78	↘	0.36	* 14
046	Sunshine Coast	0.82		17		0.69	6	0.86		131		0.84	* 27	1.09		82		0.69	9	0.65	*	42	↘	0.63	11
047	Powell River	1.03		14		0.68	6	1.00		99		1.00	19	0.70		26		0.45	2	1.26		53		1.15	11
048	Howe Sound	0.39		3	↘	0.22	+ 2	0.88		47		0.96	19	1.07		21		1.52	9	0.89		20		0.78	6
049	Bella Coola Valley	-		-		-	-	1.27		10		1.10	5	1.43		4		1.78	2	1.44		5		1.20	3
050	Queen Charlotte	0.64		1		2.80	1	2.11	*	23		3.13	9	1.28		5		2.82	1	2.97	*	14		3.98	5
051	Snow Country	-		-		-	-	0.92		1		-	-	-		-		-	-	1.97		1		-	-
052	Prince Rupert	1.35		7		2.01	4	1.12		41		0.72	8	0.75		10		0.93	2	1.40		22		0.26	+ 3
053	Upper Skeena	0.61		1		0.32	+ 1	1.14		13		0.61	4	1.50		6		0.13	+ 1	0.40		2		-	-
054	Smithers	0.92		5		0.93	1	1.12		43		0.75	11	0.64		9		0.34	+ 2	1.51		25		0.89	6
055	Burns Lake	-		-		-	-	0.87		20		0.46	+ 4	0.60		5		0.09	+ 1	1.32		13		0.74	2
056	Nechako	0.94		5		-	-	1.78	*	67		3.01	* 32	1.72	*	23		0.90	6	2.24	*	37	↗	5.49	* 21
057	Prince George	1.50	*	46		1.41	22	1.23	*	264	↗	1.33	102	1.00		77	↗	1.41	27	1.40	*	131		1.39	51
059	Peace River South	1.16		11		1.23	4	1.07		72		1.22	22	0.83		20		1.21	4	1.43	*	42		1.04	14
060	Peace River North	1.38		11		2.21	7	1.50	*	84		1.04	29	1.07		22		0.56	6	2.10	*	50		2.00	20
061	Greater Victoria	0.95		149	↘	1.44	34	0.85	*	1,022	↘	0.99	175	0.67	*	327	↘	0.72	36	1.00		477	↘	1.21	98
062	Sooke	1.00		24	↘	1.08	7	0.89		153		1.06	48	0.70	*	45		1.34	19	0.99		72		0.60	16
063	Saanich	0.76		45	↘	0.69	8	0.78	*	346	↘	0.75	53	0.73	*	128	↘	0.73	10	0.72	*	132	↘	0.49	* 20
064	Gulf Islands	1.36		18		0.59	4	0.71	*	89	↘	0.54	* 12	0.76		28		0.11	+ 3	0.49	*	20	↘	0.94	6
065	Cowichan	1.48	*	50		2.11	17	0.96		238	↘	1.47	66	0.82		77	↘	1.75	19	1.04		110		1.25	29
066	Lake Cowichan	0.97		3		1.51	1	1.15		25		1.43	8	2.07	*	16	↗	3.58	6	0.52		5	↘	0.38	+ 2
067	Ladysmith	1.83	*	25		1.13	8	1.06		109		0.88	21	1.19		45		0.72	5	0.96		42		0.79	13
068	Nanaimo	0.95		60	↘	0.66	13	0.96		451	↘	1.32	* 122	0.81	*	145		1.13	23	1.09		215		1.34	66
069	Qualicum	0.91		38	↘	1.02	11	0.99		305		0.99	53	1.33	*	150		0.92	13	0.82	*	109		0.68	24
070	Alberni	1.17		20	↘	1.09	4	1.03		127		0.94	38	0.72		33		0.93	7	1.32	*	70		1.15	26
071	Courtenay	1.03		40		0.93	10	0.92		260	↘	0.83	61	0.68	*	72	↘	0.58	* 11	1.11		134		1.04	35
072	Campbell River	1.38		26		1.41	13	0.92		125		1.14	44	0.60	*	30		1.08	8	1.09		64		1.03	23
075	Mission	1.30		21		2.37	7	1.35	*	160		1.32	46	1.14		51		1.30	12	1.90	*	94		1.37	27
076	Agassiz-Harrison	1.35		7		0.82	3	0.88		33		0.72	9	0.66		9		-	-	0.92		15		1.37	6
077	Summerland	1.25		14		0.24	+ 2	0.70	*	59	↘	0.69	13	0.54	*	18	↘	0.52	3	0.92		32		0.63	7
078	Enderby	1.46		7		0.91	1	1.00		35		3.04	12	0.85		11		4.74	4	0.93		14		0.92	4
080	Kitimat	1.15		4		1.45	2	1.09		26		1.05	10	0.98		8		1.12	2	0.84		9		0.55	4
081	Fort Nelson	2.50		2		-	-	1.50		8		0.31	+ 2	1.04		2		0.57	1	2.70		6		0.20	+ 1
083	Central Coast	-		-		-	-	3.24	*	9		7.76	5	4.09	+	4		16.08	3	3.29		4		1.84	1
084	Vancouver Island West	2.51		2		1.57	1	0.75		4		2.66	4	0.55		1		3.20	1	0.84		2		2.35	2
085	Vancouver Island North	0.58		2		1.20	2	1.74	*	40		2.13	18	1.28		10		1.95	4	1.94	*	20		1.70	8
087	Stikine	-		-		-	-	0.46		1		0.65	1	-		-		-	-	1.02		1		1.74	1
088	Terrace	0.72		5		2.32	3	1.22		59		2.04	24	1.11		19		2.85	6	1.12		24		1.38	11
092	Nisga'a	-		-		-	-	1.80		6		1.54	3	-		-		-	-	3.41	*	5		4.77	3
094	Telegraph Creek	-		-		-	-	0.70		1		6.52	1	1.87		1		15.89	1	-		-		-	-
161	Vancouver City Centre	1.10		47		0.85	14	1.04		322	↘	0.98	66	1.08		131	↘	0.93	23	0.92		117	↘	0.96	24
162	Van. Downtown E. Side	0.82		24		1.88	15	1.41	*	300	↘	4.51	* 165	1.36	*	112		5.70	* 67	1.44	*	126	↘	4.90	* 72
163	Vancouver North East	0.83	*	31		1.29	7	0.81	*	292	↘	0.74	* 67	0.82	*	110	↘	0.52	* 21	0.60	*	92	↘	0.55	* 22
164	Vancouver West Side	0.65	*	43	↘	0.55	* 10	1.06		528	↘	0.47	* 40	1.42	*	283	↘	0.79	21	0.62	*	125	↘	0.35	* 13
165	Vancouver Midtown	0.96		34		0.86	11	0.89		233	↘	0.74	49	1.00		100	↘	0.52	* 11	0.72	*	79	↘	0.77	* 21
166	Vancouver South	0.78		56	↘	0.68	8	0.94		505	↘	0.72	* 78	1.06		223		0.72	19	0.67	*	148	↘	0.61	* 33
201	Surrey	1.38	*	171	↘	0.89	41	1.01		899	↘	0.96	252	1.18	*	384		1.17	100	0.94		359	↘	0.64	* 98
202	South Surrey/White Rock	1.07		77		0.71	11	0.91	*	498		0.66	* 63	1.10		239		0.55	* 18	0.74	*	166		0.62	* 31
	PROVINCIAL TOTAL	**1.00**		**2,258**	↘	**1.00**	**626**	**1.00**		**16,616**	↘	**1.00**	**3,760**	**1.00**		**6,340**	↘	**1.00**	**1,018**	**1.00**		**6,955**	↘	**1.00**	**1,954**

Please refer to footnotes on Table E

Table B

MORTALITY STATISTICS BY LOCAL HEALTH AREA, BRITISH COLUMBIA, 2006-2010

		13 Digestive System						14 Motor Vehicle Accidents						15 Unintentional Falls						16 Suicide					
	Local Health Area	SMR	(p)	Death	TR	PYLLI	(p) D<75	SMR	(p)	Death	TR	PYLLI	(p) D<75	SMR	(p)	Death	TR	PYLLI	(p) D<75	SMR	(p)	Death	TR	PYLLI	(p) D<75
001	Fernie	1.20		21		1.07	8	2.93	*	17		2.82	* 13	2.30	*	11		0.23	+ 3	1.41		11		1.29	10
002	Cranbrook	0.96		37		0.81	21	1.80	*	18	↗	2.13	* 18	1.22		14		0.70	3	1.70	*	22		1.51	19
003	Kimberley	0.96		15		0.45	* 7	2.37	*	8		2.38	6	2.08		10		0.14	+ 1	1.33		6		0.86	5
004	Windermere	0.98		14		0.93	9	2.22	*	9		1.97	7	1.96		8		0.11	+ 1	1.11		6		0.79	5
005	Creston	0.87		24		1.21	12	1.60		8		1.46	6	1.82	*	16		3.30	5	1.40		9		1.70	8
006	Kootenay Lake	0.75		5		0.65	2	2.01		3		2.35	3	3.12	*	6		6.24	3	1.46		3		2.37	3
007	Nelson	0.95		35		0.74	12	1.33		13	↘	1.36	13	1.89	*	21		1.87	4	1.23		16		1.33	14
009	Castlegar	1.59	*	34		0.48	* 11	1.88		10		1.89	8	2.02	*	13		1.49	3	0.86		6		0.92	6
010	Arrow Lakes	0.99		9		0.09	+ 2	0.53		1		0.58	1	2.27		6		0.72	1	0.78		2		0.70	2
011	Trail	1.42	*	53		1.54	26	1.28		10		1.08	7	1.34		16		1.35	6	0.79		8		0.87	8
012	Grand Forks	1.23		23		1.15	12	3.85	*	14		4.08	* 12	2.27	*	13		2.90	4	1.26		6		1.09	4
013	Kettle Valley	0.16	+	1	↘	-	-	1.40		2		0.70	2	0.59		1		-	-	2.48		5		1.69	4
014	Southern Okanagan	1.06		53		1.37	23	2.22	*	18		2.85	* 17	1.20		19		0.75	4	1.41		15		1.45	10
015	Penticton	1.22	*	121		1.65	* 47	1.04		18		1.04	13	1.31		44		1.56	6	1.09		24		1.35	24
016	Keremeos	1.74	*	21		1.64	9	3.86	*	8		5.61	7	1.37		5		-	-	0.72		2		1.20	2
017	Princeton	1.23		13		1.23	6	1.47		3		1.76	3	1.01		3		-	-	0.70		2		0.90	1
018	Golden	0.85		7		0.90	3	0.69		2		1.05	2	0.43		1		-	-	1.04		4		1.08	4
019	Revelstoke	1.30		14		0.42	* 6	0.95		3		1.04	3	0.96		3	↘	0.15	+ 1	1.20		5		1.25	5
020	Salmon Arm	1.17		78		1.45	40	2.46	*	34		3.28	* 30	1.47		30		2.83	8	1.38		25		1.97	* 23
021	Armstrong-Spallumcheen	0.77		13		0.20	+ 4	1.85		7		2.62	7	0.96		5		0.13	+ 1	1.02		5		1.12	4
022	Vernon	0.97		115		1.25	46	1.43	*	37		1.29	29	0.72		27		0.43	* 7	1.28		43		1.36	41
023	Central Okanagan	0.97		302		1.03	120	1.14		83		1.08	67	1.05		103		0.94	23	0.98		91		0.98	82
024	Kamloops	1.15		181		1.06	83	1.88	*	82	↘	1.85	* 78	1.07		49		0.79	12	1.04		59		1.02	58
025	100 Mile House	1.33		32		1.90	22	3.44	*	20		3.31	* 18	1.09		7		1.21	4	0.88		7		0.40	* 6
026	North Thompson	2.47	*	15		0.67	3	4.27	*	7		4.21	6	0.61		1		-	-	2.25		5		3.04	5
027	Cariboo-Chilcotin	1.52	*	49		1.52	30	3.76	*	39		4.25	* 37	1.95	*	17		1.21	4	1.91	*	26		2.32	* 26
028	Quesnel	1.80	*	57		2.57	* 32	2.74	*	25		2.89	* 24	0.79		7	↘	0.40	2	1.25		15		1.44	13
029	Lillooet	2.49	*	15		3.28	9	0.58		1		1.19	1	1.77		3		0.79	1	0.88		2		0.59	2
030	South Cariboo	2.23	*	27		3.22	* 22	2.75	*	8		2.55	6	1.19		4		1.10	1	1.03		4		1.74	4
031	Merritt	1.93	*	33		3.60	* 25	3.12	*	14		3.26	* 13	1.82		9		2.25	6	1.69		10		1.57	7
032	Hope	1.53		23		2.21	15	3.06	*	10		2.26	7	1.79		8		1.60	1	1.84		8		1.73	6
033	Chilliwack	1.02		131		1.17	62	0.99		32	↘	1.07	28	1.00		40		0.99	7	1.00		41		0.81	35
034	Abbotsford	0.84	*	158		0.89	75	1.39	*	74		1.38	* 63	0.80		48		0.84	10	0.71	*	47	↘	0.71	* 45
035	Langley	0.99		180		0.83	62	1.10		55		1.21	50	0.94		53		0.38	* 8	0.96		61		0.86	55
037	Delta	0.97		139		0.77	54	0.76		30		0.75	25	0.78		33		0.46	* 5	0.59	*	30	↘	0.58	* 27
038	Richmond	0.71	*	183	↘	0.54	* 61	0.46	*	35	↘	0.43	* 24	0.63	*	49	↘	0.45	* 11	0.63	*	62		0.58	* 55
040	New Westminster	1.15		105		0.92	45	0.93		24		0.88	22	1.04		30		0.69	9	0.97		33	↘	0.97	33
041	Burnaby	0.87	*	263	↘	0.73	* 102	0.40	*	36	↘	0.34	* 31	0.81		77		0.67	18	0.84		96		0.72	* 85
042	Maple Ridge	1.11		120		0.78	51	0.88		31		0.87	26	0.79		25		1.22	9	1.07		49		1.04	49
043	Coquitlam	0.88		202		0.67	* 90	0.75	*	63		0.67	* 55	0.83		54	↘	0.75	17	0.64	*	69		0.60	* 64
044	North Vancouver	0.88		171	↘	0.64	* 61	0.39	*	21	↘	0.28	* 18	0.74	*	44	↘	1.22	14	0.79		56		0.82	50
045	West Vancouver-Bowen Is.	0.81	*	92		0.37	* 12	0.24	*	5		0.38	* 5	0.63	*	24	↘	0.78	5	0.79		21		0.69	17
046	Sunshine Coast	0.89		52		1.02	28	1.20		14		1.27	11	1.07		19		1.26	2	0.89		14	↘	1.03	14
047	Powell River	1.00		38		0.99	17	1.38		11		2.12	11	0.86		10		0.70	2	1.80	*	19		1.76	17
048	Howe Sound	1.21		32		1.26	23	1.65	*	22		1.53	20	2.57	*	18		7.42	* 15	1.19		21		1.22	20
049	Bella Coola Valley	1.71		6		2.09	5	2.73		3		3.84	3	-		-		-	-	2.05		3		2.99	3
050	Queen Charlotte	2.31	*	12		3.04	7	1.10		2		0.55	1	2.22		1		0.70	1	1.22		3		1.36	3
051	Snow Country	1.73		1		3.48	1	-		-		-	-	-		-		-	-	6.99		2		11.65	2
052	Prince Rupert	1.72	*	28		1.92	18	0.73		4		0.64	4	2.23	*	10	↘	4.12	6	1.41		10		1.61	10
053	Upper Skeena	0.94		5		1.08	4	2.46		5		1.36	4	1.44		2		0.67	1	1.93		5		3.03	5
054	Smithers	1.16		20		1.50	11	1.48		9		1.50	8	3.39	*	16	↗	3.40	8	1.39		11		1.82	10
055	Burns Lake	2.17	*	21		3.29	* 13	4.22	*	13		4.73	* 13	1.10		3		-	-	1.26		5		0.98	5
056	Nechako	1.87	*	31		2.47	* 22	3.18	*	18		3.47	* 16	1.11		5		0.56	1	1.49		11		1.34	9
057	Prince George	1.13		112		0.90	59	1.34		50	↘	1.31	48	1.47	*	39		0.91	11	1.23		60		1.34	57
059	Peace River South	1.01		30		1.09	16	2.21	*	23		2.44	* 23	1.11		9		0.71	2	1.26		17		1.30	16
060	Peace River North	1.10		29		1.18	20	3.80	*	49		4.15	* 46	0.69		5		1.37	4	1.29		21		1.37	20
061	Greater Victoria	0.98		415		1.30	* 155	0.51	*	47		0.42	* 37	1.36	*	199	↘	1.10	34	1.17		137	↘	1.10	115
062	Sooke	1.01		76		0.65	* 33	0.78		19		0.78	16	1.04		22		1.17	6	0.96		32		1.03	27
063	Saanich	0.89		138		0.71	36	0.52	*	14		0.69	12	1.17		61		1.04	7	0.78		26		0.93	21
064	Gulf Islands	1.02		37	↗	1.15	12	0.95		6		0.58	3	0.44		5		-	-	0.70		6		0.51	* 4
065	Cowichan	1.18		112		1.48	* 56	1.16		26		1.55	25	0.75		22	↘	1.05	9	1.42	*	41		1.56	* 38
066	Lake Cowichan	1.72		16		2.51	12	1.19		3		1.87	3	0.78		2		-	-	0.59		2		0.82	2
067	Ladysmith	1.19		45		1.63	21	1.35		10		1.38	6	1.37		16		0.97	5	1.32		13		2.27	13
068	Nanaimo	1.04		184	↗	1.28	91	0.85		35		1.02	31	0.99		55	↘	1.13	11	1.13		60		1.23	52
069	Qualicum	0.99		111		1.22	45	1.34		25		1.97	* 21	1.15		40		0.29	* 5	0.77		19		0.61	* 13
070	Alberni	1.23		61		1.75	* 36	1.92	*	24		1.89	* 20	1.37		20		1.29	5	1.52		25		1.50	21
071	Courtenay	1.02		113		0.85	47	0.92		23		1.05	20	1.06		35		0.53	8	1.27		42		1.31	38
072	Campbell River	1.17		68		1.10	37	1.61	*	26		1.36	23	1.36		22		1.43	6	1.76	*	38		1.92	* 34
075	Mission	1.15		56		1.35	36	1.34		22		1.54	22	1.11		16		1.60	8	0.71		15		0.73	14
076	Agassiz-Harrison	1.17		17		0.74	5	2.57	*	9		4.06	* 9	1.17		5		0.14	+ 1	1.10		5		1.61	5
077	Summerland	0.96		28		0.72	6	1.04		5		1.01	4	1.22		12		0.96	1	1.30		8		2.07	8
078	Enderby	1.41		19		1.42	9	1.65		5		2.59	5	1.49		6		0.78	1	1.51		6		1.99	6
080	Kitimat	1.84	*	21		2.61	* 17	1.49		6		1.00	6	1.73		5		1.41	3	1.11		6		1.38	6
081	Fort Nelson	1.49		5		0.74	4	4.72	*	11		6.24	* 11	-		-		-	-	0.66		2		0.79	2
083	Central Coast	6.28	*	8		4.84	5	-		-		-	-	2.97		1		7.52	1	4.29		3		5.75	3
084	Vancouver Island West	0.73		2		1.53	2	3.29		3		1.55	3	-		-		-	-	2.32		3		3.41	3
085	Vancouver Island North	2.40	*	29		2.41	* 21	1.71		8		2.07	8	2.81	*	8		7.33	6	2.06	*	13		2.35	13
087	Stikine	3.53		4		3.62	3	-		-		-	-	-		-		-	-	1.88		1		0.54	1
088	Terrace	1.46	*	32		1.45	22	2.35	*	18		2.17	* 16	1.38		8		1.76	2	2.01	*	20		2.35	* 19
092	Nisga'a	1.78		3		2.27	3	1.39		1		2.29	1	-		-		-	-	7.51	*	7		12.72	* 7
094	Telegraph Creek	4.85		3		1.72	2	-		-		-	-	5.63		1		8.81	1	6.02		2		7.80	2
161	Vancouver City Centre	0.94		122	↘	0.81	57	0.38	*	19		0.26	* 15	0.58	*	23	↘	1.06	11	1.48	*	101	↘	1.34	* 98
162	Van. Downtown E. Side	1.40	*	120	↘	2.09	* 83	0.68		18	↘	0.40	* 13	0.95		25	↘	1.99	16	2.02	*	75	↘	1.96	* 71
163	Vancouver North East	0.83	*	118	↘	0.64	* 44	0.48	*	20	↘	0.38	* 15	0.65	*	28		0.31	* 6	0.74		40		0.79	37
164	Vancouver West Side	0.76	*	142	↘	0.41	* 32	0.28	*	15		0.20	* 12	0.67	*	41		0.80	7	0.78		53		0.60	* 47
165	Vancouver Midtown	0.90		94	↘	0.93	44	0.41	*	14		0.38	* 12	0.75		24		0.70	4	0.75		34		0.75	33
166	Vancouver South	0.78	*	158		0.63	* 55	0.37	*	20	↘	0.47	* 18	0.74	*	48		0.53	* 8	0.74	*	51	↘	0.73	* 45
201	Surrey	0.97		373		1.02	205	0.82	*	117	↘	0.74	* 106	0.90		97		1.08	39	0.77	*	140	↘	0.72	* 133
202	South Surrey/White Rock	0.73	*	141		0.74	39	0.71		24		0.73	16	0.76		49		1.05	9	0.60	*	26		0.75	26
	PROVINCIAL TOTAL	**1.00**		**6,471**	↘	**1.00**	**2,864**	**1.00**		**1,756**	↘	**1.00**	**1,536**	**1.00**		**1,992**	↘	**1.00**	**503**	**1.00**		**2,274**	↘	**1.00**	**2,077**

Please refer to footnotes on Table E

Table B

MORTALITY STATISTICS BY LOCAL HEALTH AREA, BRITISH COLUMBIA, 2006-2010

		17 Alcohol-Related Deaths						18 Medically Treatable Disease						19 Drug-Induced Deaths						20 Smoking-Attributable Deaths					
	Local Health Area	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
001	Fernie	1.06		35		0.95		27	0.34		1		0.30	+	1	0.55		4		0.43	+	4	1.04		84	↘	0.87		45
002	Cranbrook	1.46	*	88		1.59	*	70	1.04		5		1.30		5	1.20		14		1.16		14	1.18	*	219	↘	0.97		86
003	Kimberley	1.57	*	36		1.52		27	1.20		2		1.24		2	1.01		4		1.00		4	1.10		84	↘	1.11		33
004	Windermere	1.15		28		0.80		19	-		-		-		-	0.41		2		0.58		2	0.92		64	↘	0.66	*	24
005	Creston	0.90		33		1.24		28	1.33		3		1.18		3	0.75		4		0.57		4	1.09		151		1.41		65
006	Kootenay Lake	1.12		12		2.27		11	-		-		-		-	0.55		1		1.26		1	1.12		36		1.32		23
007	Nelson	1.48	*	86		1.34		64	0.82		4		0.98		4	0.76		9		1.00		9	1.01		177		1.02		77
009	Castlegar	1.56	*	51		1.80	*	37	1.99		5		2.71		5	0.96		6		0.77		5	1.23	*	127		1.24		59
010	Arrow Lakes	1.66	*	23		1.86		14	-		-		-		-	0.45		1		0.42		1	0.96		43	↘	0.86		17
011	Trail	1.94	*	98	↗	1.80	*	72	1.36		5		1.67		5	1.33		12		1.29		12	1.24	*	221	↘	1.17		77
012	Grand Forks	1.42	*	38		1.65		26	0.59		1		1.19		1	0.75		3		1.08		3	1.16		110		1.39		47
013	Kettle Valley	1.00		11		0.74		7	-		-		-		-	0.57		1		0.88		1	0.94		30		1.30		18
014	Southern Okanagan	1.44	*	94		1.29		64	1.10		4		0.97		4	0.94		8		1.04		7	1.04		268		1.31		104
015	Penticton	1.14		137		1.23		95	1.57	*	14		1.76		14	1.76	*	33	↗	1.85	*	31	1.03		505		1.08		166
016	Keremeos	1.86	*	32		2.18	*	25	-		-		-		-	0.88		2		0.95		2	1.18		74		1.03		26
017	Princeton	0.78		13		0.62		9	1.85		2		2.92		2	0.84		2		0.80		2	1.53	*	82	↘	1.57		48
018	Golden	1.18		18		1.54		16	-		-		-		-	0.83		3		0.87		3	1.04		40	↘	0.84		21
019	Revelstoke	1.00		18		0.86		15	1.30		2		1.00		2	0.52		2		0.41	+	2	1.19		60	↘	1.12		27
020	Salmon Arm	1.14		110		1.63	*	83	0.75		5		0.85		5	1.15		18		1.42		18	1.02		339	↘	0.97		133
021	Armstrong-Spallumcheen	0.85		16		0.58		12	-		-		-		-	0.23		1		0.42		1	1.00		83	↘	0.89		31
022	Vernon	0.97		162		1.08		118	1.24		15		1.29		15	1.15		34		1.13		33	1.09	*	631	↘	1.14		238
023	Central Okanagan	0.98		434		1.01		324	0.92		30	↗	0.98		30	1.08		89		1.02		83	0.98		1,489	↘	0.97		525
024	Kamloops	1.17	*	300	↘	1.26	*	229	1.42		29		1.39		29	1.31	*	67	↘	1.36	*	63	1.11	*	847	↘	1.12		382
025	100 Mile House	1.34	*	56		1.57	*	51	0.66		2		1.21		2	0.87		6		1.02		6	1.24	*	148		1.35	*	83
026	North Thompson	2.23	*	24		2.49	*	19	2.34		2		2.66		2	1.51		3		1.84		3	1.57	*	46		1.78		25
027	Cariboo-Chilcotin	2.40	*	141	↗	3.21	*	119	0.39		2		0.58		2	1.77	*	22	↗	1.90	*	22	1.18	*	180	↘	1.22		102
028	Quesnel	1.73	*	94		2.17	*	77	1.56		7		1.21		7	0.74		8		1.02		8	1.33	*	203		1.41	*	98
029	Lillooet	3.48	*	36		3.19	*	29	1.21		1		1.07		1	2.45		5		2.42		5	1.66	*	48		1.88	*	30
030	South Cariboo	2.69	*	54		3.09	*	46	2.12		3		2.28		3	2.40	*	8		2.76		8	1.27		77		1.57		37
031	Merritt	2.07	*	58		2.17	*	44	0.93		2		0.64		2	2.28	*	12		2.13		12	1.38	*	115		1.37		55
032	Hope	2.10	*	48		2.76	*	39	5.22	*	8		5.50	*	8	1.62		6		1.09		4	1.80	*	136		2.45	*	73
033	Chilliwack	0.89		166		0.93		131	1.42		20		1.47		20	1.26		46		1.18		45	1.23	*	768		1.35	*	320
034	Abbotsford	0.74	*	202		0.78	*	167	1.08		24		1.00		24	1.11		66		1.25		65	1.00		884	↘	0.95		317
035	Langley	0.83	*	226		0.78	*	171	1.15		26		1.25		26	0.79		46		0.88		42	1.10	*	937	↘	1.04		358
037	Delta	0.68	*	156		0.59	*	106	0.96		18		0.96		18	0.61	*	28		0.61	*	27	0.87	*	589	↘	0.79	*	224
038	Richmond	0.38	*	157		0.29	*	107	0.45	*	16		0.37	*	16	0.41	*	37	↘	0.40	*	35	0.74	*	892	↘	0.66	*	350
040	New Westminster	1.33	*	181	↘	1.10		140	1.16		14		1.35		14	1.12		36	↘	1.16		36	1.24	*	518	↘	1.30	*	215
041	Burnaby	0.72	*	336	↘	0.47	*	216	0.71		28		0.58	*	28	0.78	*	83	↘	0.69	*	79	0.96		1,374	↘	0.82	*	457
042	Maple Ridge	0.83	*	150		0.65	*	119	1.01		17		0.90		17	0.93		40		0.84		39	1.21	*	599	↘	1.12		265
043	Coquitlam	0.57	*	236	↘	0.47	*	187	0.62	*	25		0.53	*	25	0.57	*	58	↘	0.60	*	57	0.92	*	961	↘	0.75	*	415
044	North Vancouver	0.58	*	175	↘	0.53	*	126	0.46	*	12		0.56	*	12	0.62	*	41		0.64	*	39	0.82	*	743	↘	0.68	*	264
045	West Vancouver-Bowen Is.	0.46	*	66		0.33	*	33	0.82		8		0.74		8	0.44	*	10		0.46	*	9	0.74	*	405	↘	0.46	*	92
046	Sunshine Coast	1.01		86		0.91		61	1.14		7		0.93		7	0.58		8		0.55		8	0.97		279	↘	0.94		115
047	Powell River	1.82	*	90		2.22	*	75	1.52		6		1.49		6	1.63		15		1.85		14	1.01		187		1.11		77
048	Howe Sound	1.38	*	80		1.46	*	69	0.82		5		0.62		5	1.00		17		1.01		17	0.92		107	↘	0.94		58
049	Bella Coola Valley	4.39	*	28		5.54	*	24	1.86		1		0.90		1	0.75		1		0.60		1	1.26		21		1.65		14
050	Queen Charlotte	4.30	*	44		3.54	*	35	1.05		1		2.17		1	2.19		5		2.27		5	1.55	*	37		1.75		21
051	Snow Country	2.33		3		4.52		3	-		-		-		-	3.77		1		4.52		1	1.60		5		1.70		3
052	Prince Rupert	2.35	*	70		2.68	*	61	0.37		1		0.46		1	0.76		5		0.78		5	1.23		93		1.14		47
053	Upper Skeena	2.01	*	21		3.04	*	18	1.06		1		0.69		1	0.85		2		1.14		2	0.90		22		0.74		14
054	Smithers	1.50	*	48		1.55		38	0.34		1		0.23	+	1	0.82		6		0.89		6	1.12		90		0.91		36
055	Burns Lake	1.93	*	33		2.70	*	30	-		-		-		-	0.58		2		0.53		2	1.24		57		0.96		27
056	Nechako	2.30	*	71	↗	1.96	*	52	1.51		4		1.56		4	1.04		7		1.21		7	1.57	*	124		1.70	*	67
057	Prince George	1.58	*	304		1.58	*	256	1.56	*	28		1.60		28	1.02		46		1.04		45	1.36	*	624	↘	1.36	*	346
059	Peace River South	1.46	*	80		1.70	*	72	1.23		6		1.27		6	0.49		6		0.51		6	1.20	*	168		1.05		81
060	Peace River North	1.43	*	79		1.60	*	70	0.36		2		0.38	+	2	0.39	*	6		0.30	*	6	1.44	*	171		1.44	*	95
061	Greater Victoria	1.30	*	682		1.20	*	492	1.07		43		1.10		43	1.46	*	154		1.42	*	139	1.01		2,012	↘	1.11	*	688
062	Sooke	1.00		133		1.13		112	1.03		13		1.03		13	0.79		25		0.72		24	1.01		348	↘	0.95	*	150
063	Saanich	0.75	*	143		0.81		89	0.33	+	4		0.31	+	4	0.76		22		0.91		20	0.80	*	612	↘	0.69	*	185
064	Gulf Islands	1.34	*	67		1.41		47	-		-		-		-	0.95		7		1.41		7	0.74	*	132	↘	0.90		51
065	Cowichan	1.42	*	199		1.72	*	158	0.67		7		0.88		7	0.98		25		1.11		25	1.04		480	↘	1.19		201
066	Lake Cowichan	1.37		22		1.31		19	2.36		3		1.85		3	1.33		4		1.11		4	1.11		50		1.46		28
067	Ladysmith	1.28		68		1.59	*	49	1.07		4		1.10		4	0.35		3		0.51		3	1.20	*	223	↘	1.19		91
068	Nanaimo	1.20	*	308		1.24	*	230	1.20		23		1.09		23	1.14		54		1.00		47	1.07	*	921	↘	1.14		367
069	Qualicum	0.99		150		1.07		98	0.56		5		0.80		5	0.60		12		0.81		12	0.94		535	↘	0.86		188
070	Alberni	2.27	*	176	↗	2.77	*	147	1.34		8		1.24		8	1.03		15		1.06		13	1.24	*	299	↘	1.44	*	133
071	Courtenay	1.24	*	204	↗	1.14		151	0.49		6		0.40	*	6	0.98		28		0.93		27	1.01		542	↘	0.94		217
072	Campbell River	1.50	*	148		1.54	*	129	0.60		5		0.72		5	1.74	*	34		1.73	*	34	1.13	*	312	↘	1.12		150
075	Mission	0.97		81		1.20		73	1.06		8		1.49		8	1.42		28		1.70	*	28	1.32	*	299		1.27	*	138
076	Agassiz-Harrison	1.32		30		1.65		19	3.13	*	5		3.69		5	1.78		7		1.87		6	1.00		73	↘	1.16		39
077	Summerland	0.82		29		1.01		20	-		-		-		-	0.39		2		0.60		2	0.93		135		0.93		43
078	Enderby	1.37		28		1.45		20	2.08		3		4.21		3	0.87		3		0.33	+	2	1.23		83		1.47		34
080	Kitimat	1.32		30		1.49		29	1.97		4		1.62		4	0.80		4		0.78		4	1.33	*	71		1.39		43
081	Fort Nelson	1.87	*	17		2.05		17	2.82		3		2.80		3	0.67		2		0.67		2	1.64	*	22		1.09		12
083	Central Coast	6.06	*	16		4.73	*	11	8.43		2		7.48		2	1.56		1		1.64		1	1.56		9		1.95		5
084	Vancouver Island West	1.88		11		2.26		10	1.91		1		2.60		1	-		-		-		-	1.43		19		2.01		15
085	Vancouver Island North	3.04	*	79		3.52	*	72	1.23		3		1.41		3	2.23	*	13		2.41		13	1.81	*	100		1.83	*	65
087	Stikine	4.22	*	10		2.42		9	-		-		-		-	-		-		-		-	1.14		6		1.13		5
088	Terrace	2.07	*	86		2.72	*	80	1.08		4		1.50		4	1.10		10		1.49		10	1.46	*	151		1.69	*	87
092	Nisga'a	3.59	*	13		4.89	*	11	-		-		-		-	2.32		2		3.70		2	1.81		14		1.30		6
094	Telegraph Creek	4.92	*	6		7.32		6	8.86		1		11.51		1	-		-		-		-	0.33		1		0.60		0
161	Vancouver City Centre	0.73	*	166	↘	0.80	*	141	1.26		27		1.04		27	1.31	*	86	↘	1.06		85	1.00		577	↘	1.02		261
162	Van. Downtown E. Side	2.08	*	297	↘	2.07	*	262	3.66	*	45		3.47	*	45	5.28	*	184	↘	4.92	*	182	1.29	*	512	↘	2.27	*	312
163	Vancouver North East	0.52	*	114	↘	0.44	*	78	0.77		14		0.67		14	0.58	*	29	↘	0.60	*	29	0.82	*	555	↘	0.95	*	210
164	Vancouver West Side	0.46	*	125	↘	0.33	*	86	0.63		15		0.76		15	0.55	*	35	↘	0.42	*	30	0.72	*	626	↘	0.50	*	162
165	Vancouver Midtown	0.68	*	116	↘	0.63	*	93	0.95		15		0.91		15	0.73		32	↘	0.69	*	31	0.87	*	421	↘	0.89		169
166	Vancouver South	0.50	*	146	↘	0.49	*	97	0.75		18		0.77		18	0.46	*	29	↘	0.51	*	28	0.79	*	760	↘	0.75	*	249
201	Surrey	0.82	*	568		0.85	*	476	1.21		77		1.17		77	1.07		182		1.08		178	0.95		1,701	↘	0.99		798
202	South Surrey/White Rock	0.58	*	135		0.57	*	86	0.97		15		0.91		15	0.75		28		0.85		26	0.86	*	801	↘	0.70	*	212
	PROVINCIAL TOTAL	**1.00**		**9,893**		**1.00**		**7,618**	**1.00**		**809**		**1.00**		**809**	**1.00**		**2,074**		**1.00**		**1,991**	**1.00**		**30,779**		**1.00**		**12,296**

Please refer to footnotes on Table E

TABLE C
SUMMARY STATISTICS BY HEALTH SERVICE DELIVERY AREA
BRITISH COLUMBIA, 2006-2010

Health Service Delivery Area		2009 Population	Live Birth		Stillbirth		Death		Infant Death	
			Total	Rate	Total	Rate[2]	Total	Rate	Total	Rate[3]
11	East Kootenay	80,467	3,789	9.70	24	6.29	3,093	7.92	14	3.69
12	Kootenay Boundary	79,528	3,161	8.11	24	7.54	3,749	9.62	5	1.58
13	Okanagan	351,360	14,661	8.58	127	8.59	16,691	9.77	47	3.21
14	Thompson/Cariboo/Shushwap	223,232	10,183	9.29	79	7.70	9,058	8.26	42	4.12
21	Fraser East	284,777	16,794	12.18	174	10.25	10,400	7.54	63	3.75
22	Fraser North	610,093	30,172	10.29	268	8.80	17,055	5.82	89	2.95
23	Fraser South	714,043	39,136	11.46	368	9.32	21,059	6.17	139	3.55
31	Richmond	196,858	8,476	8.94	70	8.19	4,549	4.80	27	3.19
32	Vancouver	659,214	30,087	9.50	309	10.17	18,583	5.86	138	4.59
33	North Shore/Coast Garibaldi	284,820	11,825	8.58	139	11.82	9,450	6.88	38	3.21
41	South Vancouver Island	372,342	15,052	8.27	124	8.17	16,445	9.04	60	3.99
42	Central Vancouver Island	264,573	11,123	8.62	98	8.73	12,327	9.55	58	5.21
43	North Vancouver Island	121,084	5,334	9.00	46	8.55	4,700	7.93	25	4.69
51	Northwest	75,553	4,524	12.04	42	9.20	2,385	6.35	16	3.54
52	Northern Interior	143,789	8,282	11.66	75	8.97	4,595	6.47	36	4.23
53	Northeast	69,227	5,094	15.19	36	7.02	1,731	5.16	24	4.71
	Provincial Total	**4,530,960**	**217,722**	**9.93**	**2,004**	**9.12**	**185,963**	**7.11**	**820**	**3.77**

Health Service Delivery Area		Low Birth Wt. Live Birth		Cesarean		Pre-term		Teenage Mother		Elderly Gravida	
		Total	Rate[1]	Total	Rate[1]	Total	Rate[1]	Total	Rate[1]	Total	Rate[1]
11	East Kootenay	226	59.65	1,161	306.41	280	73.90	216	57.01	552	145.68
12	Kootenay Boundary	158	49.98	813	257.20	207	65.49	107	33.85	600	189.81
13	Okanagan	744	50.75	4,385	299.09	1,038	70.80	642	43.79	2,393	163.22
14	Thompson/Cariboo/Shushwap	570	55.98	3,362	330.16	858	84.26	608	59.71	1,412	138.66
21	Fraser East	833	49.60	4,743	282.42	1,232	73.36	762	45.37	2,198	130.88
22	Fraser North	1,730	57.34	9,903	328.22	2,296	76.10	429	14.22	8,586	284.57
23	Fraser South	2,421	61.86	12,763	326.12	2,973	75.97	839	21.44	7,733	197.59
31	Richmond	455	53.68	2,648	312.41	570	67.25	55	6.49	2,717	320.55
32	Vancouver	1,870	62.15	9,119	303.09	2,422	80.50	325	10.80	10,731	356.67
33	North Shore/Coast Garibaldi	598	50.57	3,793	320.76	892	75.43	264	22.33	4,022	340.13
41	South Vancouver Island	749	49.76	5,067	336.63	1,097	72.88	411	27.31	3,613	240.03
42	Central Vancouver Island	586	52.68	2,915	262.07	958	86.13	685	61.58	1,825	164.07
43	North Vancouver Island	264	49.49	1,486	278.59	368	68.99	330	61.87	833	156.17
51	Northwest	205	45.31	1,178	260.39	325	71.84	453	100.13	618	136.60
52	Northern Interior	458	55.30	2,326	280.85	595	71.84	597	72.08	993	119.90
53	Northeast	215	42.21	1,511	296.62	261	51.24	388	76.17	493	96.78
	Provincial Total	**12,083**	**55.50**	**67,181**	**308.56**	**16,375**	**75.21**	**7,114**	**32.67**	**49,325**	**226.55**

Please refer to footnotes on Table E

TABLE D
MORTALITY STATISTICS BY HEALTH SERVICE DELIVERY AREA
BRITISH COLUMBIA, 2006-2010

		01 All Causes of Death								02 All Cancer Sites								03 Lung Cancer								04 End/Nut/Met. Diseases							
	Health Service Delivery Area	SMR	(p)	Death	TR	PYLLI	(p)	D<75		SMR	(p)	Death	TR	PYLLI	(p)	D<75		SMR	(p)	Death	TR	PYLLI	(p)	D<75		SMR	(p)	Death	TR	PYLLI	(p)	D<75	
11	East Kootenay	1.06	*	3,093	↘	1.06		1,199		0.99		846		0.95		439		1.02		229		1.01		131		1.14		138		0.71		41	
12	Kootenay Boundary	1.15	*	3,749	↘	1.17	*	1,408		1.08	*	1,025	↘	1.10		547		1.04		258		1.13		161		1.15		156		0.99		49	
13	Okanagan	1.03	*	16,691	↘	1.07	*	5,417		1.04	*	4,759		1.03		2,191		1.08	*	1,279		1.13	*	671		1.04		705	↗	1.08		211	
14	Thompson/Cariboo/Shuswap	1.15	*	9,058	↘	1.33	*	4,109		1.06	*	2,518	↘	1.06		1,416		1.17	*	743		1.22	*	445		1.21	*	398	↗	1.25		189	
21	Fraser East	1.09	*	10,400	↘	1.15	*	3,947		1.06	*	2,849	↘	1.08	*	1,460		1.08	*	750		1.18	*	460		1.16	*	456	↗	1.14		166	
22	Fraser North	0.98	*	17,055	↘	0.82	*	6,255		1.00		4,972	↘	0.94	*	2,565		1.05		1,333	↘	0.93		721		0.95		671		0.93		256	
23	Fraser South	0.98	*	21,059	↘	0.93	*	7,820		0.94	*	5,779	↘	0.97		3,047		0.88	*	1,418	↘	0.87	*	783		1.00		884	↗	0.92		299	
31	Richmond	0.74	*	4,548	↘	0.80	*	1,553		0.81	*	1,415	↘	0.82	*	751		0.77	*	346	↘	0.76	*	202		0.69	*	172		0.49	*	64	
32	Vancouver	0.90	*	18,583	↘	0.90	*	6,855		0.90	*	5,088	↘	0.91	*	2,531		0.85	*	1,230	↘	0.85	*	638		0.80	*	669		0.80	*	231	
33	North Shore/Coast Garibaldi	0.91	*	9,480	↘	0.80	*	3,085		0.92	*	2,726	↘	0.88	*	1,341		0.75	*	577	↘	0.71	*	315		0.78	*	335		0.68	*	109	
41	South Vancouver Island	0.97	*	16,445	↘	0.98		4,788		1.01		4,504	↘	1.02		1,994		0.92	*	1,046	↘	0.94		488		0.85	*	589		1.08		190	
42	Central Vancouver Island	1.06	*	12,327	↘	1.22	*	4,601		1.08	*	3,632	↘	1.11	*	1,835		1.10	*	971		1.12	*	521		1.14	*	552	↗	1.17		198	
43	North Vancouver Island	1.09	*	4,700	↘	1.19	*	2,089		1.11	*	1,441	↘	1.14	*	811		1.28	*	439		1.24	*	250		1.20	*	216		1.23		89	
51	Northwest	1.28	*	2,385	↘	1.45	*	1,314		1.16	*	660		1.19	*	424		1.33	*	206		1.21		136		1.66	*	129	↗	1.59	*	87	
52	Northern Interior	1.26	*	4,565	↘	1.34	*	2,413		1.26	*	1,435		1.27	*	914		1.59	*	472		1.50	*	298		1.60	*	238	↗	1.82	*	125	
53	Northeast	1.25	*	1,731	↘	1.36	*	941		1.24	*	519		1.26	*	337		1.30	*	143		1.49	*	101		1.53	*	85		1.35		40	
	Provincial Total	**1.00**		**155,963**	↘	**1.00**		**57,843**		**1.00**		**44,191**	↘	**1.00**		**22,606**		**1.00**		**11,443**	↘	**1.00**		**6,322**		**1.00**		**6,394**	↗	**1.00**		**2,305**	

		05 Diabetes								06 Circulatory System								07 Ischemic Heart Diseases								08 Cerebrovascular Diseases/Stroke							
	Health Service Delivery Area	SMR	(p)	Death	TR	PYLLI	(p)	D<75		SMR	(p)	Death	TR	PYLLI	(p)	D<75		SMR	(p)	Death	TR	PYLLI	(p)	D<75		SMR	(p)	Death	TR	PYLLI	(p)	D<75	
11	East Kootenay	1.19		114	↗	0.93		35		1.00		873	↘	0.86	*	205		0.94		387	↘	0.91		112		0.92		193	↘	0.57	*	30	
12	Kootenay Boundary	1.18		127		0.73		34		1.24	*	1,249	↘	1.19	*	295		1.29	*	608	↘	1.16		164		1.24	*	300	↘	1.41		82	
13	Okanagan	1.04		559	↗	0.95		154		1.01		5,166	↘	1.02		1,034		0.96		2,286	↘	0.99		563		0.97		1,214	↘	0.96		179	
14	Thompson/Cariboo/Shuswap	1.24	*	324	↗	1.38	*	139		1.10	*	2,561	↘	1.24	*	822		1.07	*	1,194	↘	1.29	*	485		1.05		579	↘	1.04		134	
21	Fraser East	1.17	*	364	↗	1.24		128		1.10	*	3,244	↘	1.16	*	773		1.17	*	1,593	↘	1.20	*	446		0.99		704	↘	1.24		141	
22	Fraser North	0.94		519		0.93		192		1.00		5,217	↘	0.88	*	1,213		1.11	*	2,675	↘	0.92		681		0.96		1,202	↘	0.91		236	
23	Fraser South	1.00		695	↗	0.91		230		1.02		6,609	↘	1.01		1,555		1.11	*	3,343	↘	1.12	*	946		0.98		1,520	↘	0.91		250	
31	Richmond	0.71	*	141		0.54	*	52		0.74	*	1,382	↘	0.80	*	277		0.76	*	656	↘	0.55	*	148		0.85	*	380	↘	0.70	*	63	
32	Vancouver	0.77	*	502		0.88		173		0.88	*	5,422	↘	0.97		1,285		0.82	*	2,370	↘	0.87	*	653		0.96		1,461	↘	1.09		275	
33	North Shore/Coast Garibaldi	0.77	*	260		0.64	*	76		0.96	*	3,115	↘	0.82	*	599		0.89	*	1,342	↘	0.80	*	330		1.12	*	878	↘	0.79	*	111	
41	South Vancouver Island	0.81	*	444	↗	0.91		132		0.98		5,426	↘	0.93		861		0.92	*	2,314	↘	0.87	*	452		0.95		1,299	↘	1.00		167	
42	Central Vancouver Island	1.20	*	463	↗	1.19		161		1.04	*	3,764	↘	1.15	*	851		1.05		1,773	↘	1.08		469		1.00		873	↘	1.14		149	
43	North Vancouver Island	1.20	*	171		1.23		64		1.05		1,345	↘	1.06		393		0.91	*	554	↘	0.98		205		1.26	*	384	↘	1.14		80	
51	Northwest	1.86	*	112	↗	1.92	*	55		1.26	*	643	↘	1.51	*	273		1.26	*	314	↘	1.59	*	165		1.14		134	↘	1.57		46	
52	Northern Interior	1.55	*	182	↗	1.82	*	93		1.19	*	1,199	↘	1.20	*	430		1.10	*	536	↘	1.19	*	227		1.31	*	304		1.31		91	
53	Northeast	1.00	*	89		1.25		31		1.20	*	443	↘	0.96		144		1.26	*	226	↘	1.09		88		0.91		77		0.48	*	22	
	Provincial Total	**1.00**		**5,048**	↗	**1.00**		**1,752**		**1.00**		**47,663**	↘	**1.00**		**11,012**		**1.00**		**22,171**	↘	**1.00**		**6,134**		**1.00**		**11,503**	↘	**1.00**		**2,036**	

		09 Arteries/Arterioles/Capillaries								10 Respiratory System								11 Pneumonia and Influenza								12 Chronic Lung Disease							
	Health Service Delivery Area	SMR	(p)	Death	TR	PYLLI	(p)	D<75		SMR	(p)	Death	TR	PYLLI	(p)	D<75		SMR	(p)	Death	TR	PYLLI	(p)	D<75		SMR	(p)	Death	TR	PYLLI	(p)	D<75	
11	East Kootenay	1.28		54		0.78		16		1.13	*	346		1.23		110		0.76	*	87		0.94		19		1.54	*	201		1.70	*	89	
12	Kootenay Boundary	1.35	*	85		2.22	*	24		0.98		343		1.36		97		0.67	*	89	↘	1.11		25		1.27	*	189		1.19		50	
13	Okanagan	1.12		272	↘	0.89		65		0.97		1,758	↘	1.16		375		0.93	*	637	↘	1.36	*	106		1.05		800		1.08		191	
14	Thompson/Cariboo/Shuswap	1.35	*	154	↘	1.32		50		1.08	*	881	↘	1.18		264		0.88	*	263	↘	1.25		63		1.33	*	471	↘	1.23		152	
21	Fraser East	1.00		139	↘	1.24		41		1.24	*	1,279		1.31	*	307		1.35	*	531		1.29		88		1.28	*	552		1.46	*	167	
22	Fraser North	0.80	*	196	↘	0.96		63		1.09	*	1,961	↘	0.75	*	374		1.09	*	753	↘	0.59	*	89		1.04		779	↘	0.82	*	188	
23	Fraser South	1.16	*	358	↘	0.76	*	79		1.01		2,283		0.88	*	489		1.19	*	1,021		1.01		166		0.90	*	857	↘	0.76	*	217	
31	Richmond	0.80	*	53		0.56	*	10		0.79	*	513	↘	0.39	*	87		0.81	*	201	↘	0.20	*	18		0.67	*	182	↘	0.40	*	41	
32	Vancouver	0.80	*	235		0.94		65		1.00		2,180	↘	1.12		465		1.13	*	959	↘	1.24	*	182		0.78	*	687	↘	1.07		185	
33	North Shore/Coast Garibaldi	0.77	*	117		0.46	*	29		0.88	*	992	↘	0.62	*	162		1.07		462	↘	0.74		51		0.72	*	338	↘	0.51	*	98	
41	South Vancouver Island	0.93		236	↘	1.18		53		0.83	*	1,590	↘	0.93		288		0.69	*	526	↘	0.81		68		0.91	*	701	↘	0.94		140	
42	Central Vancouver Island	1.13		196	↘	1.14		54		0.99		1,255	↘	1.21	*	308		0.98		466	↘	1.23		73		1.02		551	↘	1.08		160	
43	North Vancouver Island	1.13		70		1.13		26		0.96		429	↘	1.10		127		0.69	*	113	↘	0.95		24		1.14		220		1.12		68	
51	Northwest	0.91		23		1.61		12		1.20	*	214		1.34		71		0.92		58	↘	1.49		15		1.33	*	103		1.09		33	
52	Northern Interior	1.33	*	88		1.39		28		1.21	*	426	↘	1.40	*	159		0.99		125	↘	1.11		37		1.48	*	225		1.88	*	89	
53	Northeast	1.32		24		1.58		11		1.27	*	164	↘	1.06		53		0.94		44		0.83		11		1.77	*	98		1.42		35	
	Provincial Total	**1.00**		**2,258**	↘	**1.00**		**626**		**1.00**		**16,618**	↘	**1.00**		**3,740**		**1.00**		**6,340**	↘	**1.00**		**1,018**		**1.00**		**6,955**	↘	**1.00**		**1,854**	

Please refer to footnotes on Table E

TABLE D (CONT'D)

MORTALITY STATISTICS BY HEALTH SERVICE DELIVERY AREA

BRITISH COLUMBIA, 2006-2010

		13 Digestive System						14 Motor Vehicle Accidents						15 Unintentional Falls						16 Suicide					
	Health Service Delivery Area	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
11	East Kootenay	0.97		118		0.91		60	1.99	*	82		2.07	*	52	1.66	*	60		0.79		13	1.42	*	58		1.28		51
12	Kootenay Boundary	1.17		160		0.85		65	1.69	*	53		1.64	*	46	1.83	*	76		1.85		21	1.11		46		1.15		41
13	Okanagan	1.04		685		1.16		270	1.31	*	184		1.33	*	152	1.06		224	↘	0.85		43	1.09		196	↘	1.18		178
14	Thompson/Cariboo/Shushwap	1.34	*	444		1.46	*	240	2.38	*	206	↘	2.54	*	192	1.28	*	123		1.23		37	1.24	*	143	↘	1.37	*	136
21	Fraser East	0.98		383		1.09		193	1.35	*	147	↘	1.41	*	129	0.95		117		1.00		27	0.85		116	↘	0.80	*	105
22	Fraser North	0.94		690	↘	0.74	*	288	0.66	*	154		0.60	*	134	0.84	*	186		0.79		53	0.82	*	247	↘	0.75	*	231
23	Fraser South	0.92	*	833		0.91		360	0.85	*	226	↘	0.82	*	197	0.85	*	232		0.85		61	0.75	*	257	↘	0.73	*	241
31	Richmond	0.71	*	183	↘	0.54	*	61	0.48	*	35	↘	0.43	*	24	0.63	*	49	↘	0.45	*	11	0.63	*	62		0.58	*	55
32	Vancouver	0.89	*	752	↘	0.82	*	315	0.41	*	106	↘	0.34	*	85	0.71	*	189	↘	0.83		52	1.04		354	↘	0.98		331
33	North Shore/Coast Garibaldi	0.92		399		0.76	*	151	0.69	*	76		0.72	*	68	0.86		116	↘	1.90	*	39	0.95		137	↘	0.99		124
41	South Vancouver Island	0.97		666		1.06		236	0.57	*	86		0.54	*	68	1.25	*	287	↘	1.05		49	1.04		201	↘	1.04		167
42	Central Vancouver Island	1.10	*	529		1.42	*	261	1.17		123	↘	1.43	*	106	1.05		155	↘	0.94		35	1.17		160	↘	1.30	*	139
43	North Vancouver Island	1.16	*	212		1.11		107	1.28		60		1.29		54	1.23		65		1.56		20	1.54	*	96		1.69	*	88
51	Northwest	1.59	*	129		1.88	*	88	1.57	*	45		1.36		40	2.06	*	45		2.34		22	1.79	*	67		2.27	*	65
52	Northern Interior	1.41	*	221		1.48	*	126	1.93	*	106	↘	1.96	*	101	1.27		54		0.74		14	1.26	*	91		1.34	*	84
53	Northeast	1.08		64		1.10		40	3.24	*	83		3.71	*	80	0.87		14		0.97		6	1.22		40		1.28		38
	Provincial Total	**1.00**		**6,471**	↘	**1.00**		**2,864**	**1.00**		**1,755**	↘	**1.00**		**1,530**	**1.00**		**1,992**	↘	**1.00**		**503**	**1.00**		**2,274**	↘	**1.00**		**2,077**

		17 Alcohol-Related Deaths							18 Medically Treatable Disease							19 Drug-Induced Deaths							20 Smoking-Attributable Deaths						
	Health Service Delivery Area	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
11	East Kootenay	1.24	*	238		1.29	*	187	0.73		11		0.77		11	0.84		31		0.81		31	1.09	*	642	↘	0.99		274
12	Kootenay Boundary	1.57	*	319		1.61	*	231	0.98		15		1.31		15	0.89		33		1.01		32	1.13	*	744	↘	1.16	*	319
13	Okanagan	1.04		945		1.07		687	1.08		68		1.16		68	1.11		174		1.09		163	1.03		3,350	↘	1.06		1,215
14	Thompson/Cariboo/Shushwap	1.48	*	797		1.73	*	635	1.14		48		1.16		48	1.40	*	143		1.49	*	139	1.15	*	1,862	↘	1.18	*	875
21	Fraser East	0.90	*	527		0.98		429	1.39	*	65		1.44	*	65	1.24	*	153		1.31	*	148	1.15	*	2,159	↘	1.19	*	887
22	Fraser North	0.75	*	903	↘	0.57	*	662	0.78	*	84		0.70	*	84	0.77	*	217	↘	0.73	*	211	1.02		3,452	↘	0.89	*	1,352
23	Fraser South	0.76	*	1,085		0.76	*	839	1.13		136		1.12		136	0.91		284		0.95		273	0.95	*	4,028	↘	0.92	*	1,590
31	Richmond	0.38	*	157		0.29	*	107	0.45	*	16		0.37	*	16	0.41	*	37	↘	0.40	*	35	0.74	*	892	↘	0.66	*	350
32	Vancouver	0.73	*	964	↘	0.67	*	757	1.18		134		1.11		134	1.24	*	396	↘	1.13	*	386	0.87	*	3,450	↘	0.95		1,363
33	North Shore/Coast Garibaldi	0.83	*	541	↘	0.85	*	401	0.77		41		0.74	*	41	0.71	*	93		0.74	*	89	0.86	*	1,752	↘	0.75	*	625
41	South Vancouver Island	1.14	*	1,025		1.17	*	740	0.88		60		0.91		60	1.20	*	208		1.21	*	190	0.95	*	3,104	↘	0.98		994
42	Central Vancouver Island	1.33	*	925		1.53	*	701	1.01		50		1.03		50	0.95		113		0.98		104	1.06	*	2,508	↘	1.14	*	1,008
43	North Vancouver Island	1.50	*	442		1.56	*	362	0.64		15		0.67		15	1.34	*	75		1.36	*	74	1.10	*	973	↘	1.11		448
51	Northwest	2.13	*	331		2.47	*	290	0.92		13		1.05		13	1.01		35		1.19		35	1.29	*	490	↘	1.30	*	265
52	Northern Interior	1.71	*	502	↗	1.78	*	415	1.47	*	39		1.44		39	0.95		63		1.03		62	1.37	*	1,008	↘	1.38	*	538
53	Northeast	1.48	*	176		1.68	*	159	0.95		11		0.97		11	0.46	*	14		0.42	*	14	1.33	*	361	↘	1.23	*	188
	Provincial Total	**1.00**		**9,893**	↘	**1.00**		**7,618**	**1.00**		**809**	↗	**1.00**		**809**	**1.00**		**2,074**	↘	**1.00**		**1,991**	**1.00**		**30,779**	↘	**1.00**		**12,295**

Please refer to footnotes on Table E

TABLE E
SUMMARY STATISTICS BY HEALTH AUTHORITY
BRITISH COLUMBIA, 2006-2010

	Health Authority	2010 Population	Live Birth Total	Live Birth Rate	Stillbirth Total	Stillbirth Rate[2]	Death Total	Death Rate	Infant Death Total	Infant Death Rate[1]
01	Interior	734,587	31,794	8.87	254	7.93	32,501	2.88	108	3.40
02	Fraser	1,608,913	86,102	11.15	810	9.32	48,514	3.67	291	3.38
03	Vancouver Coastal	1,140,892	50,388	9.17	518	10.18	32,612	3.55	203	4.03
04	Vancouver Island	757,999	31,509	8.51	268	8.43	33,472	6.53	143	4.54
05	Northern	288,569	17,900	12.60	153	8.48	8,711	6.13	75	4.19
	Provincial Total	**4,630,960**	**217,722**	**9.93**	**2,004**	**9.12**	**155,953**	**7.11**	**820**	**3.77**

	Health Authority	Low Birth Wt. Live Birth Total	Low Birth Wt. Live Birth Rate[1]	Cesarean Total	Cesarean Rate[1]	Pre-term Total	Pre-term Rate[1]	Teenage Mother Total	Teenage Mother Rate[1]	Elderly Gravida Total	Elderly Gravida Rate[1]
01	Interior	1,698	53.41	9,721	305.75	2,383	74.95	1,573	49.47	4,957	155.91
02	Fraser	4,984	57.88	27,409	318.33	6,501	75.50	2,030	23.58	18,517	215.06
03	Vancouver Coastal	2,923	58.01	15,560	308.80	3,884	77.08	644	12.78	17,470	346.71
04	Vancouver Island	1,599	50.75	9,468	300.49	2,423	76.90	1,426	45.26	6,271	199.02
05	Northern	878	49.05	5,015	280.17	1,181	65.98	1,438	80.34	2,104	117.54
	Provincial Total	**12,083**	**55.50**	**67,181**	**308.56**	**16,375**	**75.21**	**7,114**	**32.67**	**49,325**	**226.55**

Note: Total is the number of events in the specified category for the five year time period.
Infant Death - deaths of children under one year of age.
Low Birth Weight live births - live births with birth weight <2,500 grams.
Cesarean - live births delivered by cesarean section.
Pre-term - live births with gestational age <37 weeks.
Teenage Mother - live births to mothers under 20 years of age.
Elderly Gravida - live births to mothers 35 years of age or older.
Death is the total number of deaths from the specified cause for the five year period.
D<75 is the number of deaths under 75 years of age from the specified cause.
SMR - Standardized Mortality Ratio.
PYLLI - Potential Years of Life Lost Index.
Rate - per 1,000 population in the specified area.
Rate[1] - rate per 1,000 live births in the specified area.
Rate[2] - per 1,000 total births in the specified area.
SMR, PYLLI, and Rate are based on the five year period ending with the current year.
* Statistical testing indicates that observed deaths are statistically different from the expected deaths ($p<0.05$, two tailed).
+ Denotes statistical significance based on less than five cases.
TR - Trend in ASMR based on single year rates for the previous 15 years:
↗ indicates a statistically significantly positive (increasing) trend, and
↘ indicates a statistically significantly negative (decreasing) trend.
Trends shown in previous annual reports were based on three year moving averages and should not be compared to the trends in these tables.
TR* - Trend reflects change in *Medical Certification of Death* introduced in 1993. The revised form contained questions about lifestyle factors including abuse of alcohol, which resulted in increased reporting of deaths indirectly related to alcohol.
HSDA 32 Vancouver may include unspecified Vancouver addresses.
N.S. - Not Stated.
Non-residents are excluded.

TABLE F
MORTALITY STATISTICS BY HEALTH AUTHORITY
BRITISH COLUMBIA, 2006-2010

		01 All Causes of Death						02 All Cancer Sites						03 Lung Cancer						04 End/Nut/Met. Diseases					
	Health Authority	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
01	Interior	1.08	*	32,591	↘	1.16	*	12,133	1.05	*	9,146	↘	1.04		4,583	1.10	*	2,509		1.15	*	1,408	1.11	*	1,397	↗	1.08		470
02	Fraser	1.00		48,514	↘	0.92	*	18,022	0.98		13,600	↘	0.98		7,072	0.98		3,501	↘	0.95	*	1,964	1.01		2,011		0.98		721
03	Vancouver Coastal	0.88	*	32,612	↘	0.82	*	11,493	0.89	*	9,229	↘	0.88	*	4,623	0.81	*	2,155	↘	0.80	*	1,155	0.78	*	1,178		0.71	*	404
04	Vancouver Island	1.02	*	33,472	↘	1.10	*	11,478	1.05	*	9,577	↘	1.07	*	4,640	1.04	*	2,456	↘	1.06		1,259	1.00		1,356	↗	1.14		477
05	Northern	1.26	*	8,711	↘	1.37	*	4,668	1.24	*	2,634		1.24	*	1,675	1.46	*	821		1.42	*	535	1.60	*	452	↗	1.66	*	232
	Provincial Total	**1.00**		**155,953**	↘	**1.00**		**57,843**	**1.00**		**44,191**	↘	**1.00**		**22,608**	**1.00**		**11,443**	↘	**1.00**		**6,322**	**1.00**		**6,394**	↗	**1.00**		**2,305**

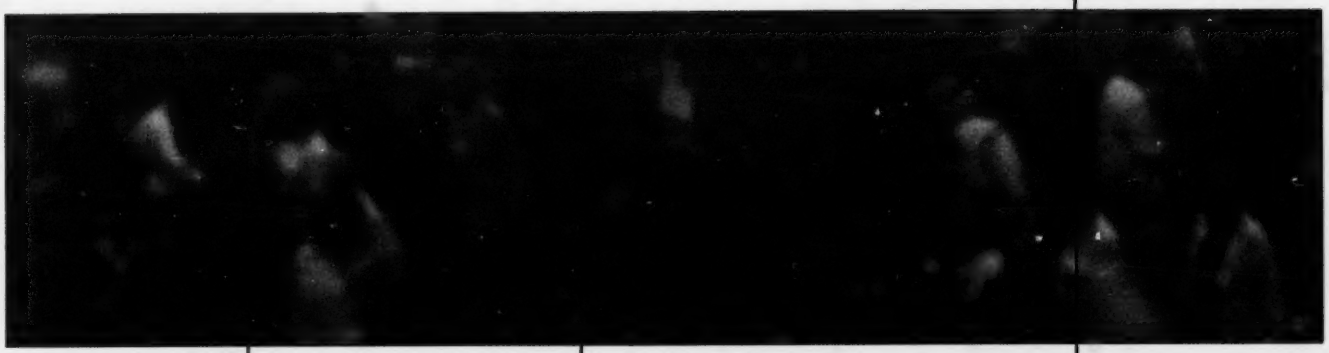
		05 Diabetes						06 Circulatory System						07 Ischemic Heart Diseases						08 Cerebrovascular Disease/Stroke					
	Health Authority	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
01	Interior	1.12	*	1,124	↗	1.08		362	1.05	*	9,849	↘	1.09	*	2,356	1.02		4,475	↘	1.10	*	1,324	1.01		2,286	↘	1.00		405
02	Fraser	1.01		1,578		0.98		550	1.03	*	15,070	↘	0.99		3,541	1.12	*	7,611	↘	1.06	*	2,073	0.97		3,428	↘	0.97		627
03	Vancouver Coastal	0.76	*	903		0.75	*	303	0.87	*	9,919	↘	0.88	*	2,161	0.83	*	4,366	↘	0.80	*	1,131	0.99		2,719	↘	0.94		449
04	Vancouver Island	1.00		1,078	↗	1.07		357	1.01		10,535	↘	1.03		2,105	0.97	*	4,641	↘	0.97		1,126	1.01		2,556	↘	1.07		396
05	Northern	1.65	*	363	↗	1.70	*	179	1.21	*	2,285	↘	1.23	*	847	1.17	*	1,076	↘	1.28	*	480	1.19	*	515	↘	1.21		159
	Provincial Total	**1.00**		**5,048**	↗	**1.00**		**1,752**	**1.00**		**47,863**	↘	**1.00**		**11,012**	**1.00**		**22,171**	↘	**1.00**		**6,134**	**1.00**		**11,503**	↘	**1.00**		**2,036**

		09 Arteries/Arterioles/Capillaries						10 Respiratory System						11 Pneumonia and Influenza						12 Chronic Lung Disease					
	Health Authority	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
01	Interior	1.22	*	545	↘	1.16		155	1.01		3,328	↘	1.19	*	946	0.87	*	1,076	↘	1.25	*	213	1.19	*	1,661		1.20	*	462
02	Fraser	1.00		693	↘	0.92		183	1.08	*	5,523	↘	0.90	*	1,170	1.19	*	2,305		0.90		343	1.03		2,188	↘	0.90		572
03	Vancouver Coastal	0.76	*	405		0.74	*	104	0.93	*	3,685	↘	0.85	*	714	1.06	*	1,822	↘	0.93		231	0.74	*	1,207	↘	0.79	*	294
04	Vancouver Island	1.03		502	↘	1.15		133	0.90	*	3,274	↘	1.06		723	0.79	*	1,107	↘	0.98		165	0.98		1,472	↘	1.03		368
05	Northern	1.21		113		1.49		51	1.22	*	804	↘	1.31	*	283	0.96		227	↘	1.15		63	1.49	*	426		1.57	*	157
	Provincial Total	**1.00**		**2,258**	↘	**1.00**		**626**	**1.00**		**16,618**	↘	**1.00**		**3,740**	**1.00**		**6,340**	↘	**1.00**		**1,018**	**1.00**		**6,955**	↘	**1.00**		**1,854**

		13 Digestive System						14 Motor Vehicle Accidents						15 Unintentional Falls						16 Suicide					
	Health Authority	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
01	Interior	1.12	*	1,407		1.19	*	636	1.75	*	507	↘	1.83	*	442	1.26	*	483	↘	1.07		114	1.17	*	443	↘	1.25	*	406
02	Fraser	0.94	*	1,906	↘	0.87	*	841	0.87	*	527	↘	0.84	*	460	0.87	*	535	↘	0.85		141	0.79	*	620	↘	0.75	*	577
03	Vancouver Coastal	0.86	*	1,334	↘	0.76	*	527	0.49	*	217	↘	0.44	*	177	0.74	*	354	↘	1.03		102	0.95		553	↘	0.91		510
04	Vancouver Island	1.04		1,407		1.20	*	604	0.89		269	↘	0.95		228	1.17	*	507	↘	1.10		104	1.17	*	457	↘	1.23	*	394
05	Northern	1.39	*	414		1.51	*	254	2.14	*	234	↘	2.24	*	221	1.41	*	113		1.22		42	1.39	*	198		1.56	*	187
	Provincial Total	**1.00**		**6,471**	↘	**1.00**		**2,864**	**1.00**		**1,756**	↘	**1.00**		**1,530**	**1.00**		**1,982**	↘	**1.00**		**503**	**1.00**		**2,274**	↘	**1.00**		**2,077**

		17 Alcohol-Related Deaths						18 Medically Treatable Disease						19 Drug-Induced Deaths						20 Smoking-Attributable Mortality					
	Health Authority	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
01	Interior	1.25	*	2,299		1.36	*	1,740	1.05		142	↗	1.13		142	1.14	*	381	↗	1.17	*	365	1.08	*	6,598	↘	1.10	*	2,683
02	Fraser	0.78	*	2,515		0.72	*	1,930	1.03		285		1.01		285	0.91	*	654	↘	0.93		632	1.01		9,639	↘	0.96	*	3,829
03	Vancouver Coastal	0.70	*	1,862	↘	0.65	*	1,285	0.94		191		0.89		191	0.97		526	↘	0.92		510	0.84	*	6,094	↘	0.84	*	2,339
04	Vancouver Island	1.27	*	2,392		1.36	*	1,803	0.88		125		0.91		125	1.14	*	396		1.16	*	368	1.01		6,585	↘	1.06	*	2,450
05	Northern	1.77	*	1,009		1.94	*	864	1.21		63		1.23		63	0.85		112		0.92		111	1.34	*	1,860	↘	1.33	*	992
	Provincial Total	**1.00**		**9,863**	↘	**1.00**		**7,818**	**1.00**		**809**	↗	**1.00**		**809**	**1.00**		**2,074**	↘	**1.00**		**1,991**	**1.00**		**30,779**	↘	**1.00**	*	**12,296**

Please refer to footnotes on Table E



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